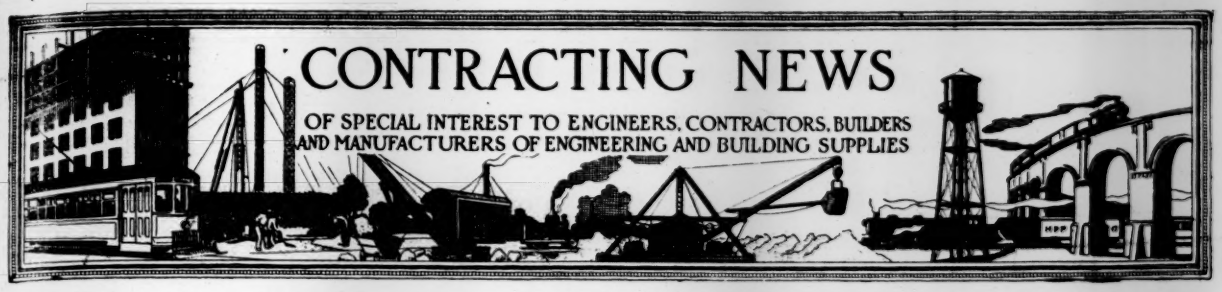
CONTRACTING NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Proposals

For Proposals Advertised See Pages 51-55 Inclusive

WATER-WORKS

Bids Close		See Eng. News-Record
Aug. 13.	Red Rock, Okla.	Aug. 2
Aug. 16.	Waterloo, Ia.	July 26
Aug. 16.	Kentland, Ind.	Aug. 9
Aug. 20.	Cumberland, Md. Advertised Aug. 2 and Aug. 9.	Aug. 9
Aug. 20.	Chicago Heights, Ill.	Aug. 9
Aug. 25.	San Francisco, Cali.	Aug. 2
Sept. 4.	Cumberland, Md. Adv. Aug. 9.	Aug. 9
Sept. 11.	New York, N. Y.	July 12

SEWERS

Aug. 10.	Cashton, Wis.	Aug. 9
Aug. 10.	Abington, Va.	Aug. 9
Aug. 14.	Lebanon, O.	July 26
Aug. 14.	Toronto, Ont.	Aug. 2
Aug. 14.	Salt Lake City, Utah	Aug. 9
Aug. 14.	Escanaba, Mich.	Aug. 9
Aug. 15.	Kings Park, N. Y. Adv. Aug. 9.	Aug. 9
Aug. 20.	New Hampton, N. Y.	Aug. 9
Aug. 20.	Milford, Ia.	Aug. 9
Sept. 4.	Cumberland, Md. Adv. Aug. 9.	Aug. 9

BRIDGES

Aug. 14.	Somis, Cal.	Aug. 2
Aug. 14.	Tekamah, Neb.	Aug. 9
Aug. 14.	Waterbury, Conn.	Aug. 9
Aug. 14.	Tipton, Ia.	Aug. 9
Aug. 15.	New Ulm, Minn.	Aug. 9
Sept. 15.	Anderson, Ind.	Aug. 9
Aug. 15.	Reading, Pa.	Aug. 9
Aug. 16.	Salem, N. J.	Aug. 2
Aug. 20.	Angola, Ind.	Aug. 9
Aug. 22.	Troy, O.	Aug. 2
Aug. 25.	Martinsburg, W. Va.	Aug. 9
Aug. 27.	Elberton, Ga.	Aug. 2
Aug. 30.	Kankakee, Ill.	Aug. 2

STRUCTURAL STEEL WORK

Aug. 14.	Brazil, Ind.	July 12
Aug. 14.	Fairmont, W. Va.	July 26
Aug. 16.	Hamlin, W. Va.	July 12
Aug. 21.	Albany, N. Y. Adv. July 26 and Aug. 2.	July 26

REINFORCED CONCRETE

Aug. 13.	Spencer, W. Va.	July 19
Aug. 22.	Beatrice, Neb.	July 19

STREETS AND ROADS

Aug. 13.	Lewiston, Idaho	May 24
Aug. 13.	Ashland, Ala.	July 26
Aug. 13.	Indiana	July 26
Aug. 13.	Centerburg, O.	July 26
Aug. 13.	Plattsmouth, Neb.	Aug. 2
Aug. 13.	Cincinnati, O.	Aug. 2
Aug. 13.	Sandusky, O.	Aug. 2
Aug. 13.	Brownsville, Pa.	Aug. 9
Aug. 13.	Andalusia, Ala.	Aug. 9
Aug. 13.	Jacksonville, Ill.	Aug. 9
Aug. 13.	Danville, Ky.	Aug. 9
Aug. 13.	Peoria, Ill.	Aug. 9
Aug. 13.	Wheeling, W. Va.	Aug. 9
Aug. 13.	Indianapolis, Ind.	Aug. 9
Aug. 14.	New Bedford, N. J.	July 19
Aug. 14.	Pennsylvania Adv. July 26 and Aug. 9.	July 26
Aug. 14.	Freehold, N. J.	Aug. 2
Aug. 14.	St. Louis, Mo.	Aug. 2
Aug. 14.	Salt Lake City, Utah	Aug. 2
Aug. 14.	Tampa, Fla.	Aug. 2
Aug. 14.	Montclair, N. J.	Aug. 9
Aug. 14.	Massachusetts	Aug. 9
Aug. 14.	Delaware	Aug. 9
Aug. 15.	Canton, O.	Aug. 2
Aug. 15.	Ohio	Aug. 2
Aug. 15.	Medina, O.	Aug. 2
Aug. 15.	Pioneer, O.	Aug. 2
Aug. 15.	Sand Springs, Okla.	Aug. 9
Aug. 15.	Brooklyn, N. Y.	Aug. 9
Aug. 15.	Rhode Island Adv. Aug. 9.	Aug. 9
Aug. 15.	Indianapolis, Ind.	Aug. 9
Aug. 15.	Montezuma, Ga.	Aug. 9
Aug. 16.	Hamlin, W. Va.	July 12
Aug. 16.	Ohio	Aug. 2
Aug. 16.	Savannah, Tenn.	Aug. 2
Aug. 16.	Hazards, Ky.	Aug. 2
Aug. 16.	Colorado	Aug. 9
Aug. 16.	Santa Barbara, Cal.	Aug. 9
Aug. 17.	Jenkins, Ky.	Aug. 2
Aug. 17.	Cincinnati, O.	Aug. 2
Aug. 17.	Somerville, N. J.	Aug. 9
Aug. 18.	Walla Walla, Wash.	Aug. 9
Aug. 18.	Allegan, Mich.	Aug. 9
Aug. 20.	Indiana	July 26
Aug. 20.	Washington	Aug. 2
Aug. 20.	Dubuque, Ia.	Aug. 9
Aug. 20.	St. Paul, Minn.	Aug. 9
Aug. 20.	California	Aug. 9
Aug. 20.	Nebraska City, Neb.	Aug. 9
Aug. 20.	Salmon, Idaho	Aug. 9
Aug. 21.	Stone Harbor, N. J.	Aug. 2
Aug. 21.	Billings, Mont.	Aug. 9
Aug. 21.	Seattle, Wash.	Aug. 9
Aug. 21.	Jersey City, N. J.	Aug. 9
Aug. 23.	Fulton, N. Y. Adv. Aug. 9.	Aug. 9
Aug. 24.	Pennsylvania	Aug. 9
Aug. 24.	Uniontown, Pa.	Aug. 9
Aug. 27.	Newark, N. J.	Aug. 2
Aug. 27.	Portland, Me.	Aug. 9
Aug. 30.	Oklahoma, Okla.	Aug. 9

EXCAVATION AND DREDGING

Aug. 11.	Madison, Minn.	Aug. 9
Aug. 13.	Sibley, Ia.	Aug. 9
Aug. 16.	Emmetsburg, Ia.	Aug. 9
Aug. 17.	Fairbault, Minn.	Aug. 2
Aug. 18.	Sullivan, Ill.	Aug. 9
Aug. 20.	Des Moines, Ia.	July 26
Aug. 20.	Owatonna, Minn.	Aug. 9
Aug. 21.	Parton, Ill.	Aug. 9
Aug. 24.	Memphis, Tenn.	Aug. 2
Oct. 2.	St. Cloud, Minn.	Aug. 2

INDUSTRIAL WORKS

Aug. 20.	New Hampton, N. Y.	Aug. 9

BUILDINGS

Aug. 13.	Winnfield, La.	Aug. 2
Aug. 13.	Mason City, Ia.	July 26
Aug. 13.	Nashua, N. H.	Aug. 9
Aug. 13.	Aberdeen, S. D.	Aug. 9
Aug. 13.	Evansville, Ind.	Aug. 9
Aug. 14.	Washington, D. C.	Aug. 9
Aug. 14.	Landsdowne, Pa.	Aug. 9
Aug. 15.	Tower, Minn.	Aug. 2
Aug. 15.	Hudson Falls, N. Y.	Aug. 2
Aug. 15.	Burnaby, B. C.	Aug. 2
Aug. 15.	Holmesburg, Pa.	Aug. 9
Aug. 16.	Raleigh, N. C.	Aug. 9
Aug. 17.	Boston, Mass.	Aug. 9
Aug. 17.	Cohoes, N. Y.	July 26
Aug. 20.	Troy, N. Y.	July 12
Aug. 20.	Topeka, Kans.	Aug. 9
Aug. 20.	Kansas City, Mo.	Aug. 9
Aug. 20.	Brooklyn, N. Y.	Aug. 9
Aug. 22.	Mattapan, Mass.	Aug. 9
Aug. 22.	Greensboro, N. C.	July 26
Aug. 22.	Modesto, Cal.	Aug. 2
Aug. 24.	New Brunswick, N. J.	July 26
Aug. 28.	Detroit, Mich.	Aug. 2
Sept. 1.	Elmira, N. Y.	Aug. 9
Sept. 1.	Milwaukee, Wis.	Aug. 9
Sept. 15.	Spirit Lake, Ia.	Aug. 9

FEDERAL GOVERNMENT WORK

Aug. 6.	Globe, Ariz.	July 5
Aug. 6.	Charleston, S. C.	July 26
Aug. 11.	St. Louis, Mo.	July 26
Aug. 13.	Ft. Mifflin, Penn.	Aug. 2
Aug. 13.	New York, N. Y.	Aug. 9
Aug. 14.	West Point, Ga.	July 12
Aug. 17.	Washington, D. C.	July 12
Aug. 20.	GGlenwood Springs, Colo.	Aug. 2
Aug. 20.	Washington, D. C.	Aug. 2
Aug. 20.	Phila., Pa.	Aug. 9
Aug. 20.	New London, Conn.	Aug. 9
Aug. 20.	Port Royal, S. C.	Aug. 9
Aug. 21.	Grand Haven, Mich. Adv. July 26 and Aug. 2.	July 26
Aug. 24.	Memphis, Tenn.	Aug. 9
Aug. 25.	Charleston, S. C.	Aug. 9
Aug. 27.	Hingham, Mass.	Aug. 9
Aug. 28.	Washington, D. C.	Aug. 9
Aug. 28.	Detroit, Mich.	Aug. 2
Aug. 29.	Glenwood Springs, Colo.	Aug. 9
Aug. 30.	Franklin, Pa. Adv. July 26 and Aug. 2.	July 26
Sept. 3.	Kuahua, T. H.	Aug. 9
Sept. 4.	McKees Rock, Pa.	Aug. 9
Sept. 4.	Detroit, Mich. Adv. Aug. 9.	Aug. 9
Sept. 5.	Torrington, Wyo. Adv. July 26.	July 26
Sept. 5.	Washington, Ga.	Aug. 2
Sept. 5.	San Francisco, Cal. Adv. Aug. 9.	Aug. 9
Sept. 6.	Forsyth, Ga.	Aug. 2
Sept. 12.	Long Island City, N. Y.	Aug. 9

MISCELLANEOUS

Aug. 6.	Air Compressors—Galesburg, Ill. Adv. July 26 and Aug. 2.	July 26
Aug. 8.	Incinerator—Brookline, Mass.	Aug. 2

Aug. 13. Timber Bulkhead—Albany, N. Y. ..... Aug. 9
Adv. Aug. 9.
Aug. 14. Twin Falls, Idaho ..... Aug. 9
Aug. 16. Dam—Buffalo, N. Y. ..... Aug. 9
Aug. 21. Piers—Albany, N. Y. ..... July 26
Adv. July 26 and Aug. 2.
Aug. 22. Tunnels—San Francisco, Cal. ..... July 19
Adv. July 19 and Aug. 9.
Aug. 25. Incinerator—Paducah, Ky. Aug. 2

Where name of official is not given, inquiries should be addressed to City Clerk County Clerk or corresponding official.

WATER-WORKS

Proposed Work

N. Y., Lockport—City had plans prepared building storage reservoir containing 56,000,000 gal. About $165,000. J. F. Frehsee, city engr.

Fla., Leesburg—City election soon to vote on $40,000 bond issue to build water-works system and electric-light plant. Address Mayor.

Fla., Orlando—City plans to build water and electric light plant. F. N. Williams, clk.

Miss., Moorhead — City voted $10,000 bond issue to construct waterworks system. W. E. Stevenson, mayor.

La., Pineville—City plans water-works system. Address City Clk.

Tenn., Trezevant—City defeated $125,000 bond issue to extend and improve water-works system. Noted June 22.

O., Bluffton—Village to sell $35,000 bonds to build waterworks and electric light system.

O., Hamilton—City to sell $10,000 bonds to improve water-works system. S. D. Nelson, city supt.

Mich., Pontiac—City sold $65,000 bonds to improve and extend waterworks system; this is part of $275,000 bond issue voted. H. L. Weaver, city supt.

Ia., Carroll—City plans to extend water-works. Address City Clk.

Kan., Elkhart—City voted $10,000 bonds to extend water-works system.

S. D., Spencer—City plans to build water-works and sewerage systems.

Mont., Scobey—City voted $19,000 bonds to build waterworks system.

Mo., Monett—City having plans prepared building reservoir, 1,000,000 gal. capacity. About $10,000.

Tex., Mineral Wells — (Official) — City voted $150,000 bonds to build water supply system, including 100,000 cu.yd. fill for dam, 10,000 cu.yd. concrete for spillway and filters, new pumping station and 4½-mi. pipe line. W. W. McClendon, city engr. Noted July 26.

Okla., Norman—City voted $10,000 bonds to construct reservoir and pump house. Noted Aug. 2.

Okla., Okmulgee—City election Sept. 15 to vote on $53,000 bonds to build water-works. Address City Clk. Noted July 5.

Okla., Shattuck—City plans to improve water-works. B. Jenning, city engr.

Nev., Elko—City plans to build rein.-con. reservoir, 2,000,000 gal. capacity. T. J. Critchley, city supt.

BIDS DESIRED

N. Y., New Hampton—See "Sewers."

Md., Cumberland—(Official)—Until Sept. 4, by A. W. Straub, city clk., furnishing and laying c. i. water mains and building outlet tunnel. R. L. Rizer, city engr. Advertised in this issue.

Ind., Kentlands—(Official) — Until Aug. 16, by Bd. Trustees, Council Chamber, building rein.-con. tower and tank, 800,000 gal. capacity. Address C. A. Rinard.

Ill., Chicago Heights—Until Aug. 20 by O. W. Ritter, city clk., drilling deep well.

N. D., Goodrich—(Official)—Until Aug. 31, by T. R. Atkinson, engr., Bismarck, for waterworks system.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Boston—Dept. Pub. Wks. let contract laying water pipes Brookline Ave., Roxbury, to T. Costello & Co., 20 Fenwood Rd., Roxbury, $18,105.

★**S. C., Columbia**—City let contract, water mains, sewage and electrical wiring, military cantonment, to Walker Electric & Plumbing Co., Columbus, Ga., $500,000.

★**Ga., Macon**—City let contract laying c.-i. and wood pipe line of from 14 to 20 in. to Camp Wheeler, and building concrete reservoir, 600,000 gal. near camp, to H. B. Hoppenditzel, $18,389.

O., Dayton—City received low bid building 10,000,000 gal. reservoir in southeastern part of city, from J. L. Geiger, Dayton, $160,000. Noted Aug. 2.

★**N. D., Lakoton** — City let contract, water-works and sewerage system, to Haggard Construction Co., Fargo, $80,012.

Wash., Seattle—Bd. Pub. Wks. received low bids building 50,000 gal. pumping plant at Maple Leaf reservoir, including water tank and steel tower, from Swenson & Co., Arcade Bldg., $18,804; E. G. Peters, Oriental Bldg., $24,519. Noted June 21.

SEWERS

Proposed Work

N. J., Hightstown—Boro. plans to install new sewage disposal plant.

Pa., Coatesville — City had plans prepared by A. Potter, engr., Coatesville, building sewerage system and disposal plant. About $350,000.

Pa., Sharon—City soon lets contract, Pine Hollow sanitary sewer, 5000-ft., 24-in. pipe. G. Nicholls, city engr.

Tenn., Mt. Vernon—City plans to extend sewerage system involving laying 3½ mi. pipe. O. E. Mauer, clk.

Ky., Owensboro—City to sell $25,000 of $225,000 sewer bonds recently issued. H. Talbother, city engr. Noted July 5.

O., Cleveland—City rejected bids installing sewers portion East 171st St. R. Hoffman, city engr. Noted July 12.

O., Lorain—City plans sanitary sewer in portions Park View Ave. O. M. McCahon, clk. C. M. Osborn, city engr.

O., Rocky River—(Official)—Village to sell $50,000 bonds Sept. 4 to build sewage disposal plant, flushing tunnel, etc. F. Mitchell, clk.

O., Salem—City plans to rebuild sewage disposal plant. About $200,000. B. M. French, city engr.

O., Waynesburg — See "Streets and Roads."

Mich., Grand Rapids—City to sell $250,000 bonds to construct sewage disposal plant; this is first step in the construction undertaken. W. S. Moore, city engr.

Wis., Burlington—City to sell $13,000 bonds to construct sewers in Perkins Park and in East side of river.

Wis., Milwaukee—City having plans prepared by T. C. Hatton, engr. sewerage comn., sewage disposal plant, Jones Island. About $15,000,000. G. Staal, city engr.

Ia., Creston—City sold $30,000 bonds to construct sewerage system. T. S. DeLay, city engr.

Ia., Pella—City had plans prepared by I. J. Stoddard, engr., to build storm sewerage system. About $15,420.

Kan., Larned—City plans sewage disposal plant. Black & Veatch, 507 Interstate Bldg., Kansas City, Mo., engrs.

Kan., Wichita—City having plans prepared installing sewer mains in Hydraulic Ave., to furnish district lying between drainage canal and river with complete sewerage system. A. Brockway city engr.

Neb., Wayne—(Official) — City defeated $30,000 bond issue to construct storm sewers. J. M. Cherry, clk. Noted July 26.

Wyo., Cheyenne—City defeated $60,000 bond issue to install storm sewers. E. W. Glakeke, city engr. Noted June 7.

Tex., San Antonio—City plans to build sewage pumping plant, Sherman St. to operate sewer system at Camp Travis. H. Helland, city engr.

Tex., Victoria—City plans building storm sewer in 11 blocks consisting of Williams, Liberty, Main and other streets. W. Wheeler, city supt.

Okla., Altus—City soon lets contract addition sewerage system. About $15,000, also paving portions South Main St.

Okla., Bristow—City election Aug. 27th, to vote on bond issue to improve sewerage system. T. B. Gibson, city clk.

Ariz., Glandale — Town voted $50,000 bonds to construct sewerage system.

Wash., Seattle—City had plans prepared sewers, 43rd Ave., N. E. About $15,835. A. H. Dimock, city engr.

Cal., Bishop—City having plans prepared by B. E. Sherwin for sewer extensions. About $35,000.

Ont., St. Catharines—City soon lets contract building next section relief sewer, Dufferin and Maple Sts., also extending relief sewer in Carlton St. W. P. Near, city engr.

Ont., St. Thomas—City plans to construct storm sewers. About $75,000.

Cal., Santa Barbara—City plans extensions to sewerage system including 9400 ft. of from 10- to 33-in. pipe, Imhoff tank, etc. About $85,000. A. B. Cook, city engr.

BIDS DESIRED

N. Y., Kings Park—(Official)—Until Aug. 15 by State Hospital Comn., extending sewage disposal plant, Kings Park State Hospital. E. S. Elwood, secy. Advertised in this issue.

N. Y., New Hampton—Until Aug. 20 by B. G. Lewis, comr. of Correction, installing drainage and water supply of power house and connecting tunnels of New York City reformatory.

N. J., Newark—Until Aug. 9, by St. & Water Comrs., building sewers in Wheeler Rd., Ferdon, South 20th and Miller Sts. M. R. Sherrard, city engr.

Md., Cumberland—(Official)—Until Sept. 4, by A. W. Straub, city clk., building sanitary sewers, Boulevard and Mary St. R. L. Rizer, city engr. Advertised in this issue.

Va., Abington—Until Aug. 10, by City, constructing sewerage system; work involves 37,034 ft. of from 6- to 12-in. salt-glazed vitr. clay pipe. R. Gray, Bristol, engr. Noted Apr. 26.

Mich., Escanaba—Until Aug. 14, by City, 5 sanitary sewers. M. J. Hodson, city engr. Noted July 12.

Wis., Cashton—Until Aug. 10, by P. J. Hegge, village clk., constructing sewage disposal plant, 1200 ft., together with suitable appurtenances. W. S. Woods, La Crosse, engr.

Ia., Milford—(Official)—Until Aug. 20 by J. E. Shelledy, city clk., 4½-mi. 8 15-in. sanitary sewer. C. P. Chase, Clinton, engr.

Utah, Salt Lake City—(Official)—Until Aug. 14 by G. Snow, city recorder, constructing pipe sewers, Sewer Extension No. 374, portions 3rd and 4th Aves.

Cal., Santa Barbara—See "Streets and Roads."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**R. I., Pawtucket**—Bd. Pub. Wks. let contract, sewer in portions Mineral Spring and Smithfield Aves. to E. B. Roberts Constr. Co., Pittsfield, Mass., $20,000.

N. Y., New York — (Official) — M. M. Marks, boro. pres., received low bids (a) repairing barrel sewers Ft. Vestry St., and North River, Pier 29, (b) foot Duane St. and North River, Pier 21, from Lawrence Contr. Co., 2409 Walton Ave., (a) $13,388 (b) $14,502; Riverside Contr. Co., 39 Cortlandt St. (a) $14,762; (b) $13,732; Melrose Constr. Co., 147 West 125th St., (a) $17,382; (b) $15,829.

★**N. Y., Wingdale**—Comn. on New York Prisons, Room 615 Hall of Records, New York City, let contract sewage disposal plant at Wingdale Prison to New York Sewage Disposal Co., 37 East 28th St., New York City, $37,769. Noted June 28.

★**Pa., Dorranceton**—See "Streets and Roads."

★**O., Cleveland**—Bd. Control let contract building "takeout" pipes East 140th St. sewage disposal plant to Amer. Constr. Co., 1552 Rockefeller Bldg., $360,700.

★**O., Cleveland**—City let contract, sewer in portion West 59th St. to Manson Co., 120 Engineers Bldg., $12,625, drainage sewer around public hall site to Hoag & Dall, 510 Court Bldg. About $98,728.

Sewers (Continued)

★O., Cleveland—Bd. Control let contract installing sewers East 116th to Brookside Constr. Co., $12,686; Corlett Ave. to Randall & Cooper, $43,077; Tampa Ave. to Amata Constr. Co., 1108 Engineers Bldg., $4450. Noted July 12.

★Ind., Garrett—City let contract building Walsh St. sewer to C. Weis, Peru, $22,-881.

★Wis., La Crosse — (Official) — City let contract building sewers to Hill, Manning, Whalen Co., 512 State St., $67,487.

★Wis., Neenah — (Official) — Bd. Pub. Wks. let contract installing 5300 lin.ft. sanitary sewers to Kispert & Hendricks, Kaukauna, $10,558.

★Ia., Farley—City let contract sewerage system to O. Kvingle, Dubuque, $15,563; also disposal plant to M. Tschivgi, Cedar Rapids, $7700.

★Minn., Crosby — Village let contract sewer in central addition to Pastoret Constr. Co., Duluth, $12,267. Noted July 12.

★Kan., Augusta—City let contract, sewers in Dists. Nos. 2 and 3 to McCoy & Taylor, Emporia, $33,623.

★N. D., Drake—City let contract installing sewerage and waterworks systems to Badger Constr. Co., Drake, $80,000.

★N. D., Lakoton—See "Water-works."

★Mo., Ada—City let contract, sewer, to D. Tolbert, Muskogee, $24,100.

★Okla., Claremore—City let contract laying 8-in. sewer main, 6-in. laterals, in sewer dists. 12, 13, 14 and 15 to Municipal Excavating Co., Oklahoma, $11,000.

★Okla., Frederick—City let contract sewers portions Grand Ave., 10th and 11th Sts., to Vibrolithic Constr. Co., $18,681.

★Ore., Astoria—See "Streets and Roads."

★Wash., Seattle—Bd. Pub. Wks. let contract, sewers in West and North 45th St. to Fiorito Bros., 1630 25th Ave., $18,119.

★Wash., Seattle—Bd. Pub. Wks. let contract installing clay pipe sewers 11th Ave., N. W., to Fiorito Bros., Seattle, $12,495.

BRIDGES

Proposed Work

N. Y., Watertown — New York Central R.R. and City plans to build double-deck bridge at Court St. G. W. Kittredge, Grand Central Terminal, New York City, ch. engr. R.R. E. W. Sayles, city engr.

Pa., Emaus—Philadelphia & Reading Ry. having plans prepared by A. L. Carhart, engr., for rein.-con. bridge. S. T. Wagner, Phila., ch. engr.

Pa., Reading—Berks Co. plans to build rein.-con. bridge over Monocacy Creek, ½ mi. south of Baumstown.

O., Dayton—City plans to build 2 span steel bridge over Wolf Creek, earth filled approaches, spans 233 ft. and 50 ft. long. F. O. Eichelberger, city engr.

O., Niles — Trumbull Co., Westhersfield Twp. voted $120,000 bonds to build 382-ft. bridge involving 4000 yd. concrete over Mahoning River to connect Niles and McDonald. Noted June 28.

Ia., Sac City—Bd. Supervs. Sac Co. plans to spend $20,000 to build bridges.

Ia., Waukon—Allamakee Co. sold $116,-000 bonds to build bridges.

Minn., Duluth—St. Louis Co. prepared plans for rein.-con. bridge over St. Louis River. About $100,000.

Mo., Charleston — See "Streets and Roads."

Mo., Osceola—See "Streets and Roads."

Okla., Ada.—See "Streets and Roads."

Okla., Ardmore—See "Streets and Roads."

Okla., Atoka—Atoka Co. election Aug. 25, to vote on $30,000 bonds to build bridges.

Okla., Chickasha—Grady Co. Comrs. appropriated $20,000 to build bridge over Canadian River.

Okla., Sapula—Creek Co. Comrs. plan to build 2 rein.-con. bridges between Kelleyville and Bristow. About $65,000.

Okla., Stroud—See "Streets and Roads."

Wash., Olympia—City soon receives bids for rein.-con. bridge over Des Chutes River, 4th St. About $150,000.

Cal., Los Angeles—Bd. Supervs. Los Angeles Co. appropriated $35,000 to build Sanford bridge over east branch Los Angeles River, near Rivera: $37,000 for Old Mission bridge on San Gabriel Blvd., near Whittier, $15,000 for Verdugo Wash bridge, Glendale; $5000 for Ivanhoe bridge over Los Angeles River between Glendale and Los Angeles.

BIDS DESIRED

Conn., Waterbury—Until Aug. 14, by City, building 3-span rein.-con. bridge over Naugatuck River at West Main St. About $100,000. R. A. Cairns, city engr. Noted Apr. 26.

Pa., Reading—Until Aug. 15, by W. H. Dechant & Sons, engrs., Baer Bldg., building bridge over Schuylkill River for Carpenter Steel Co.

W. Va., Martinsburg—Until Aug. 25, by Berkeley Co., building 100-ft rein.-con span over Opequon Creek.

Ind., Anderson—Until Sept. 15, by Madison Co. Comrs., building 100-ft. bridge over Sugar Fork, Adams Twp.

Ind., Angola—Until Aug. 20, by Steuben Co. Comrs., building 2 rein.-con. bridges and lengthening 1 concrete bridge.

Ia., Tipton—Until Aug. 14, by Cedar Co. building 35 rein.-con. culverts and 1 I-beam bridge, concrete floor and abutments. About $16,300. A. C. Yetter, aud.

Minn., New Ulm—Until Aug. 15, by Brown Co., building 1 60-ft. steel truss bridge over Little Cottonwood River. L. G. Vogel, aud.

Minn., Warren—Until Aug. 14, by Marshall Co. building 4 highway bridges and 2 rein.-con. culverts. A. G. Ludgren, aud.

Neb., Tekamah—Until Aug. 14, by City building rein.-con. highway bridge and retaining walls. A. C. Arend, Brandeis Bldg., Omaha, engr.

Cal., Ventura—Until Aug. 14, by J. B. McCloskey, Ventura Co. aud., building bridge near Somis, involving 100 cu.yd. concrete, 7640 lb. reinforcing steel.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Dedham — See "Streets and Roads."

★**N. Y., Buffalo**—See "Industrials."

★**Fla., West Palm Beach**—See "Excavation and Dredging."

★**O., Youngstown**—See "Railways."

★**Ark., Little Rock**—Pulaski Co. Bridge Com. let contract repairing free bridge to Missouri Valley Bridge & Iron Co., Leavensworth, Kan., $38,000.

★**Cal., Marysville**—Yuba Co. let contract 3 Creps bridges in Superv. Nutt's Dist. to Jenkins & Wells, 3530 York Ave., Sacramento, $17,671.

STRUCTURAL STEEL WORK

Proposed Work

O., Dayton—See "Bridges."

Okla., Ardmore—See "Streets and Roads."

BIDS DESIRED

Minn., New Ulm—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**O., Cleveland**—See "Industrials."

REINFORCED CONCRETE

Proposed Work

Pa., Emaus—See "Bridges."

Pa., Reading—See "Bridges."

O., Cleveland—See "Buildings."

O., Niles—See "Bridges."

Minn., Duluth—See "Bridges."

Okla., Ardmore—See "Streets and Roads."

Okla., Sapulpa—See "Bridges."

Cal., Huntington Beach—See "Miscellaneous."

Ont., Amhertsburg—See "Miscellaneous."

BIDS DESIRED

Conn., Waterbury—See "Bridges."

N. Y., Buffalo—See "Miscellaneous."

W. Va., Martinsburg—See "Bridges."

Ind., Angola—See "Bridges."

Ind., Kentland—See "Waterworks."

Ia., Tipton—See "Bridges."

Minn., Warren—See "Bridges."

Nev., Elko—See "Waterworks."

Cal., Ventura—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ark., Ft. Smith**—See "Industrial."

★**Ore., Portland**—See "Buildings."

STREETS AND ROADS

Proposed Work

Mass., Peabody — City to sell $50,000 bonds to pave streets. F. Emerson, city engr.

N. Y., Albany—State Highway Comn. plans to build Gateway Blvd. from Buffalo to Pennsylvania state line. Chautauqua Co. to bear part of cost. E. Duffey, comr.

N. Y., Long Island City—Boro plans to pave portion Jamaica Ave., $100,000.

New Jersey—State Highway Dept., Trenton, appropriated $65,000 for road work in Mercer Co. Address, Bd. Freeholders, Trenton.

N. J., Collingswood—Council voted $120,-000 bond issue to repave Haddon Ave. and other streets. Address D. S. Rash. Noted July 19.

N. J., East Orange—City Council to sell $18,000 bonds, Aug. 13, for paving Harrison St. W. D. Willegerod, city engr.

N. J., Gladstone—Town plans to improve road from here to Pottersville. About $10,000.

N. J., Lyndhurst—Town plans to expend $14,356 to pave streets.

N. J., Montclair—Town Court declared void contract let to Standard Bitulithic Co., 31 Clinton St., Newark Paving Park St. and Bellevue Ave., $269,560. New bids soon. Noted July 26.

N. J., Newton—Sussex Co. Bd. Freeholders plans to pave Springdale-Tranquility Rd., macadam.

N. J., Trenton—Bd. Freeholders Mercer Co. plan to build road from Sullivan Way to River Rd., boulevard style. About $10,-000. F. McCullough, clk.

N. J., Union—Town election soon to vote on $54,000 bond issue to repair streets.

Pennsylvania — State Highway Dept., Harrisburg, received no bid paving Monaca-Aliquippa Rd., vitr. block and waterbound macadam. New bids soon. F. H. Black, state highway engr. Noted July 12.

Pennsylvania — State Highway Comn., Harrisburg, authorized surveys building new highways in Westmoreland Co. Roads to be built jointly with county officials. Address Co. Comrs., Greensburg.

W. Va., Claredon—Alexandria Co. prepared plans improving Rosslyn-Cherrydale Rd. About $35,000 available.

W. Va., Parkersburg—City plans paving Spring, and many other streets, brick. About $46,000. T. L. Higgs, city engr.

W. Va., Wheeling—Ohio Co. soon lets contract building concrete road between Atkinson's crossing and Pennsylvania line.

W. Va., Wheeling—City had plans prepared for improving streets. About $125,-000. C. B. Cooke, city engr. Noted July 26.

N. C., Smithfield—Town plans to pave 7 blocks; also building sidewalks. About $10,000.

Ala., Anniston—Calhoun Co. Comrs. plan to build highway from here to Bynum, 6 mi. About $25,000.

Ala., Gadsden—City sold $16,000 bonds to pave portion Chestnut St. E. Smith, city engr.

Miss., Liberty—Amite Co. Comrs. having plans prepared for building Prentiss Highway to 3rd Dist. About $50,000 available for work. F. J. Russell, engr.

Louisiana—State Highway Dept. plans to build road from Pineville to Camp Beauregard. About $25,000 per mile. D. Buie, New Orleans, state highway engr.

La., Cameron—Cameron Co., Hackberry Dist. plans to build road from Hackberry across Bayou Kelso and connecting Calcasie Co. highway. $13,000 bond issue voted.

La., Edgard—St. John Baptist Co. sold $180,000 bond issue to build roads. W. Lasseigne, clk. Noted July 12.

Tenn., Cleveland—City to sell $50,000 bond issue to pave 2½ mi. streets. S. D. Newton, Box 24, city engr. Noted May 10.

Tenn., Springfield—Robertson Co. Court to sell $50,000 bonds to improve pikes. Noted July 12.

Ky., Cadiz—Trigg Co. soon lets contract building 5½-mi. intercounty road between here and Princeton. G. W. Ryan, co. engr.

Ky., Clinton—Hickman Co. plans to build 6-mi. roads, bituminous surface.

O., Bryan—Williams Co. to sell $108,000 bonds Aug. 17, to improve roads. G. C. Beucler, aud.

O., Cleveland—City plans to improve portions Lowell, East 49th, Wright, East 57th, West 58th, Hege, Stanhope, Pythias, Alcoba, West 73rd, West 70th, Mirlo and Franklin Sts. R. Hoffman, city engr.

Streets and Roads (Continued)

O., Columbus—City election Aug. 14 to vote on $500,000 bonds to improve streets. H. Maetzel, city engr. Noted June 21.

O., Dayton—City plans to pave West 5th St., from Perry to Wilkinson Sts., creosoted wood block, and from Perry to Great Miami bridge, brick; also building sidewalks on Lakeview Ave. F. O. Eichelberger, city engr.

O., Findlay—Hancock Co. Comrs. sold $46,000 bonds to improve roads.

O., Norwalk—Huron Co. to sell $31,500 bonds, Aug. 21, for improving I. C. G. No. 289, Lyne Twp. C. E. Bloomer, aud.

O., Ravenna—Portage Co. to sell Aug. 20, $75,000 bonds to improve I. C. H. No. 474, Mantua and Aurora Twps., Atwater-Limaville Rd., Atwater Twp. M. J. Kelley, co. aud.

O., Wapakoneta—Auglaize Co. sold $62,500 bonds to improve Wapakoneta Roundhead Rd.

O., Waynesburg — (Official) — Village to sell $16,840 bonds grading paving and building catch basins, storm sewer, etc. J. W. Elsass, clk.

O., Youngstown — Mahoning Co. sold $103,000 bonds to improve Youngstown-Conneaut I. C. H. No. 13, Monroe Sect. B. E. Brainard, clk.

Ind., Goshen—Elkhart Co. sold $14,000 bonds to improve Osolo Twp. highways.

Ind., Indianapolis—Marion Co. to sell $200,000 bonds Aug. 10th, to improve highways. L. K. Fesler, aud.

Ind., Lafayette—Tippecanoe Co. to sell $148,000 bonds Aug. 10 to improve highways. H. G. Leslie, treas.

Ill., Amboy—City plans to pave, curb and gutter Mason St., brick. F. W. Leake, engr.

Ill., North Chicago — City plans paving portions of 67 streets. About $120,000. M. J. Douthitt, city engr.

Ill., Pontiac—City plans to pave streets involving 3069 sq.yd. concrete, 14,722 sq.yd. monolithic and 13,345 ft. curb and gutter.

Ia., Des Moines—Bd. Supervs. Polk Co. rejected bids, 5-mi. highway from Des Moines to Camp Dodge. Noted July 5.

Ia., Des Moines—City plans to pave portion of 11th St. K. Kastberg, city engr.

Ia., Marion—Linn Co. plans to pave road between here and Cedar Rapids, 1½ mi. About $60,000.

Ia., Oskaloosa—City plans to improve A Ave. from 11th St. to city limits on the east.

Ia., Tama—City preparing plans paving 4 mi. streets.

Minn., Duluth—City plans paving portions Birch Ave., rein.-con. E. Ayers, engr.

Minn., Duluth—City plans to curb and gutter portion of 5th St. About $400,000. L. Ayers, city engr.

Kan., Columbus—Cherokee Co. soon lets contract grading and graveling about 10-mi. Blake Rd. C. M. Cooper, co. engr.

Kan., Concordia—Cloud Co. Comrs. plan to pave White Way between here and Clyde.

Kan., Great Bend—City soon lets contract paving William St. F. A. Moses, clk.

Kan., Wichita — City soon lets contract paving portions of Fairmont Ave. Address A. Brockway, city engr.

Neb., Lincoln—Lancaster Co. plans to pave portion O St. Rd., 6 mi. A. Edgren, co. engr.

Neb., Wayne—(Official)—Wayne Co. defeated $30,000 bond issue to pave streets and drain wet land. J. M. Cherry, clk. Noted July 26.

Montana—State Highway Comn., Helena, plans to build highway between Butte and Helena, 3 routes; main route from Butte to Basin and Boulder by way of Elk Park and thence to Helena; from Butte to Whitehall and from there to Boulder; from Deer Lodge over Priest pass route to Helena.

Mo., Carthage—Jasper Co. plans to build 7.4 mi. concrete road with state aid.

Mo., Charleston — Mississippi Co. voted $375,000 bonds to build highways and bridges. Noted June 14.

Mo., Jefferson City—Cole Co. plans to build 25.8 mi. rock and gravel road with state aid.

Mo., Joplin—City plans to resurface portions 5th, Wall, 3rd, Joplin, 4th Sts. and Virginia Ave., asphalt filler. J. J. McAffee, city engr.

Mo., Linn—Osage County voted $180,000 bond issue for improving roads in county.

Mo., Osceola—Bd. Supervs. St. Clair Co. sold $400,000 bond issue to grade roads and build bridges on State Rds. Noted June 28.

Mo., St. Joseph—(Official)—City passed ordinances for improving portions Savannah Ave., Edmond, Locust, Seneca and other streets by paving and building sidewalks. C. P. Hoff, city engr.

Mo., Sikeston—Scott Co. voted $750,000 bond issue to build 230 mi. hard roads. Noted July 5.

Mo., Warrensburg — Johnson Co. plans election to vote on $500,000 bond issue to improve roads. T. Hyatt, clk.

Arkansas—State Highway Comn., Little Rock, prepared plans building 47 mi. earth roads, Montgomery Co., cost, $26,357; 13 mi. gravel road, Arkansas Co., $93,007; 13 mi. bituminous gravel road, Lonoke Co., $141,582.

Ark., Newport—Jackson Co. Comrs. sold $250,000 bonds to build 52-mi. main line road and 8-mi. lateral roads in Rd. Dist. No. 2.

Ark., Pocahontas—Randolph Co. Comrs. having plans prepared for building 41-mi. new roads. About $248,000. Address C. F. Bode, O'Kean.

Ark., Russellville—City plans paving 16 blocks Main St., Dist. No. 1 and 1-mi. Oak St., Dist. No. 2.

Ark., Walnut Ridge — Lawrence Co. Comrs. had plans prepared 13-mi. road, macadam, from Lauratown north to Black Rock. About $80,268.

Tex., Canadian — Hemphill Co. defeated $150,000 bond issue to build roads. Noted June 21.

Tex., Sanford—City plans to spend $12,500 to pave streets.

Okla., Ada—Pontiac Co. election Aug. 20 (change of date) to vote on $523,000 bond issue to build roads and bridges. Noted July 12.

Okla., Ada—City having plans prepared by Benham Eng. Co., engrs., Colcord Bldg., Oklahoma, paving 8 blks., Dist. No. 5, asphaltic concrete. About $35,000.

Okla., Altus—See "Sewers."

Okla., Ardmore—Carter Co. preparing plans for 50 mi. hard surfaced roads, gravel or rock asphalt also steel and rein.-con. bridges. About $200,000. E. E. Gravelle, co. engr.

Okla., Sapulpa—Creek Co. Comrs. plan to spend $300,000 to build roads; plans include 15 mi. new road.

Okla., Stroud — City defeated $60,000 bonds to build roads and bridges. Noted June 7.

Idaho — State Highway Comn., Boise, plans paving portions N. and S., Sawtooth Park, Idaho and Pacific, and Yellowstone Park Highways with gravel.

Ariz., Kingman—Mohave Co. Bd. Supervs. plans to expend $28,000 to build roads.

Ariz., Phoenix—City plans to pave portions East Moreland and Willetta Ave., concrete base, bitulithic surface. J. B. Girand, city engr.

Ore., Eugene—Lane Co. plans improving Cottage Grove Rd. with state aid. About $100,000.

California—State Highway Comn., Sacramento, rejected bids, paving 8.7-mi. state highway in Los Angeles Co. between point near Action and Palmdale, with concrete. Noted Aug. 2.

Cal., Los Angeles—Los Angeles Co. Rd. Comn. plans to complete harbor truck boulevard on Alameda St. from Slauson Ave. to Wilmington, 13.31 mi. concrete. About $365,107. F. H. Joyner, rd. comr.

Cal., Stockton—San Joaquin Co. election soon to vote on $150,000 bond issue to build and pave 55-mi. roads.

BIDS DESIRED

Me., Portland—(Official)—Until Aug. 27, by E. M. Hunt, comr. pub. wks., paving portions Congress St., 2580 sq.yd. split, redressed, granite block.

Massachusetts—(Official)—Until Aug. 14 by State Highway Comn., Boston, surfacing 3400 ft., Swansea; building highway, 2200 ft., Lynn, 3300 ft., West Springfield. W. D. Sohier, member.

Rhode Island—(Official)—Until Aug. 15, by State Bd. Pub. Rds., Providence, rebuilding 1.5 mi. state highway; advertised in this issue.

N. Y., Brooklyn—Until Aug. 15, by L. H. Pounds, boro. pres., Boro. Hall, regulating and paving permanent asphalt, 6-in. concrete base portion roadway Hegeman, Q. Sneider, 16th, 19th Aves., and West 29th St., regulating, grading, curbing, laying sidewalks, paving, preliminary asphalt block, portion roadway Narrows Ave., regulating and restoring pavement portion roadway Park and Tomkins Ave., regulating, grading, curbing and laying sidewalks, Q and Stone Aves., **regulating**, repaving permanent grade 1 granite, 6 in. concrete foundation, roadway Van Brunt St., 21st St., preliminary asphalt blocks.

N. Y., Fulton—(Official)—Until Aug. 23, by C. M. Allen, Jr., city clk., paving various streets; advertised in this issue.

N. J., Jersey City—(Official)—Until Aug. 21 by Hudson Blvd. Comrs., building roadway between Central R.R. of New Jersey, near 8th St. to 36th St., Bayonne, rein.-con. J. C. Sweeney, clk. C. A. Van Kuren, city engr.

N. J., Montclair—(Official)—Until Aug. 14 by H. Trippett, town clk., paving portion Park St., warrenite, concrete curb; Bellevue Ave., warrenite, Hillside brick.

N. J., Somerville—Until Aug. 17, by Bd. Freeholders, improving portion Chimney Rock Rd. J. Dougherty, co. engr.

Pennsylvania—Until Aug. 24, by State Highway Dept., Harrisburg, building 5-mi. state highway from Morado to Lawrence Co. line.

Pa., Brownsville—(Official)—Until Aug. 13, by C. W. Coulter, boro. secy., improving Water St., involving 4800 cu.yd. excava., 4900 lin.ft. curbing and 5500 sq.yd. paving, vitr. block. L. G. Moslener, boro. engr.

Pa., Uniontown — (Official)—Until Aug. 24, by H. Kisinger, Fayette Co., controller, grading 19,000 cu.yd. River Rd., Brownsville Twp.

Delaware—Until Aug. 14, by State Highway Dept., Dover, building 5-mi. Lincoln Highway.

W. Va., Wheeling—(Official)—Until Aug. 13, by H. C. Underwood, clk. Ohio Co. bd. comrs., grading and building concrete road surface, portions National Rd., Steenrod and Mount de Chantal Rd. W. O. McCluskey, Jr., co. rd. engr.

Ala., Andalusia—Until Aug. 13 by Bd. Revenue, grading, draining and sand-clay surfacing 4.3 mi. road in Covington Co. J. M. Garrett, co. engr.

Ga., Montezuma—Until Aug. 15, by city paving 12,000 sq.yd. streets, vitr. brick, cement concrete, bituminous concrete, bituminous macadam or creosoted wood block.

Ky., Danville—(Official)—Until Aug. 14, by Boyle Co. Fiscal Court, county road No. 14, waterbound macadam. C. B. Arnold, co. rd. engr. Noted Apr. 26.

Ind., Indianapolis—(Official)—Until Aug. 13, by Bd. Pub. Wks., grading, paving portions California, Washington and Court Sts., wooden blocks, asphalt, bituminous concrete, or brick, 6-in. gravel concrete foundation. J. A. Rink, pres. B. J. T. Jenks, city engr.

Ind., Indianapolis—(Official)—Until Aug. 15, by Bd. Pub. Wks., grading, paving portions Middle, Illinois, New York and other streets, wooden blocks, asphalt, bituminous concrete, or brick, 6 in. gravel concrete foundation; also grading and paving sidewalks, Blvd. Pl. Harding St., and other streets, cement. J. A. Rink, pres. B. J. T. Jenks, city engr.

Mich., Allegan—Until Aug. 18 by W. McCarn, chn. Allegan Co. Rd. Comn., building road running south 2 mi. between Dorr and Leighton Twps.

Ill., Danville—(Official)—Until Aug. 13, by Bd. Local Imprv. paving portion Robinson St. W. H. Martin, city engr.

Ill., Jacksonville—(Official)—Until Aug. 13, by Bd. Local Imprv., improving roadways, South West, West Morgan, South Sandy Sts., College Ave., and other streets. E. M. Henderson, city engr.

Ill., Peoria—(Official)—Until Aug. 13, by Bd. Local Imprv., paving Kansas Ave., vitr. brick, including 1502 lin.ft. sandstone curb, 2510 sq.yd. concrete foundation and same amount of brick pavement. L. D. Jeffries, city engr.

Ia., Dubuque—(Official)—Until Aug. 20 by City, for improving portion Cox St. involving 1695 sq.yd. macadam, 1800 lin.ft. curb and gutter, 2720 cu.yd. rutting and 1740 cu.yd. filling. E. C. Blake, city engr.

Minn., St. Paul—(Official)—Until Aug. 20, by H. W. Austin, city purch. agt., grading portions Fulham St., May and Hamline Ave. and certain alleys; also curbing portion Jenks St., furnishing material paving portion 9th St., including 915 sq.yd. vitr. clay brick, 2710 sq.yd. sandstone blocks, 1177 bbls. portland cement, etc. O. Claussen, city engr.

Neb., Nebraska City—Until Aug. 20, by Otoe Co., grading 20,000 yd. road. O. Stevenson, clk.

Mont., Billings—Until Aug. 21 by J. M. Bresnahan, clk., for paving 7360 sq.yd. in Dist. No. 157. E. M. Schneckerberger, city engr.

Okla., Oklahoma—Until Aug. 30, by City, for 2 mi. rock asphalt paving. G. V. McClure, city engr.

Streets and Roads (Continued)

Okla., **Sand Springs**—Until Aug. 15, by City paving 30,000 yd. streets, Dist. No. 2, asphaltic concrete. About $85,000. Benham Eng. Co., 1300 Colcord Bldg., Oklahoma, engrs. Noted July 5.

Colorado—Until Aug. 16, by State Highway Comn., Denver, building road Estes Park to Grand Lake, 5½ mi.

Idaho, **Salmon**—Until Aug. 20 by Lemhi Co. Comrs., building 16-mi. Lemhi Highway. Allen & Merrett, engrs.

Utah, **Salt Lake City**—Until Aug. 14, by City Rec., for paving Virginia and Alta Sts. and 3rd and 4th Aves., also grading, curbing, guttering and paving of Pavement Extension No. 137. S. Q. Cannon, city engr.

Wash., **Seattle**—Until Aug. 21, by King Co. Comrs. building Kirkland-Houghton Rd. Permanent Highway No. G. About $15,000. S. J. Humes, co. engr.

Wash., **Walla Walla**—Until Aug. 18 by County Comrs., building permanent highway No. 18, Walla Walla Co. G. Cookerly, co. engr.

California—Until Aug. 20 by State Highway Comn., 515 Forum Bldg., Sacramento, paving 13.3 mi. road from Sacramento River to Lamoine Shasta Co. with concrete.

Cal., Santa Barbara—Until Aug. 16, by A. C. Hall, city clk., paving 17 blocks Bath St., from Montecito to Mission Sts., 5-in. concrete, 1½- warrenite wearing surface, including 3-ft. concrete gutters, cement and stone curbs, 126-ft. concrete cross gutters, 20 concrete catchbasins, 6- and 18-in. vitr. pipe sewers, rubble stone retaining wall, etc. About $65,000. A. B. Cook, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston** — E. F. Murphy, comr. pub. wks., 511 City Hall Annex, let contract paving Seaver St., Roxbury to Warren Bros., 142 Berkeley St. Noted June 28.

Mass., Dedham—Town received low bid building highway and 2 bridges, Bussey St., from Clark & Gore, 11 Montague St., Dorchester, $26,000.

Mass., Woburn—(Official)—State Highway Comn., Boston, received only bid paving, asphalt macadam, from A. Pallato, 1117 Crosby St., Lowell, $14,405.

N. Y., Brooklyn—W. Williams, comr. Water Supply, Gas and Electricity, Municipal Bldg., Manhattan, received low bid paving roadway, furnishing new fence posts, and resetting fence in front of Mt. Prospect Laboratory, Flatbush Ave., near Eastern Pkway., from F. Gallagher, 490 Park Pl., $21,089. Noted July 19.

★**N. Y., New York**—(Official)—M. M. Marks, boro. pres., let contract regulating and paving roadway of West 172nd St. from B'way. to Ft. Washington Ave., asphalt; and from Ft. Washington to Haven Ave., bituminous concrete, concrete foundation, also portion Houston St., asphalt, to Davney Asphalt Co., 52 Vanderbilt Ave., $11,844. Noted July 19.

★**N. Y., Port Washington**—Town let contract improving Reid and Murray Aves., Washington and Mitchell Pl. to Andrews Bros., Mineola, $48,364.

★**N. Y., Poughkeepsie** — (Official) — Bd. Pub. Wks. let contract paving, grading and curbing various streets, brick, bituminous and asphaltic concrete, to Schenectady Constr. Co., 332 State St., Schenectady. About $65,202. Noted June 21.

★**N. Y., Yonkers**—City let contract regulating, grading, etc., portion Central Park Ave. to T. Grady, 11 Myrtle St., $66,437.

★**N. J., Cape May**—Bd. Freeholders Cape May Co. let contract paving 3-mi. road, bituminous top, to E. A. Corson, Ocean City, $60,000.

N. J., Paterson—Passaic Co. received low bids paving (a) Madison Ave., (b) East Main St., (c) 1st Sect. Goffle Rd., (d) 2nd Sect. Goffle Rd., (e) East 18th St., (f) Murray Ave., (g) Franklin Ave., from M. J. O'Connell (a) $31,043 (b) $20,127; J. T. Harrop, East 30th St., (a) $32,839 (b) $19,428 (c) $12,968 (d) $22,259; G. F. Brackett, (a) $33,192; G. Dreher, Paterson, (c) $11,982 (d) $21,971; Franklin Contr. Co., 52 Vanderbilt Ave., New York City, (e) $7336; L. Cramer, (e) $7624; P. Kramer, Grand St., (f) $12,965; McKierman & Bergin, 1st Natl. Bank Bldg., (f) $13,947; F. Spats, (g) $29,964; Union Building & Contr. Co., Main Ave., Passaic, (g) $31,169.

N. J., Paterson—Bd. Freeholders received low bids paving River Dr. from G. B. Belcher, Paterson, about $30,597; Union Bldg. and Constr. Co., Main Ave., Passaic, $39,794; M. J. O'Connell, Paterson, $42,357; Cedar Grove Rd. and Wilmore Ave., Francisco Bros., United Bank Bldg., $24,029, Osborne & Marsellis, Paterson, $25,121; and M. J. O'Connell, $25,486.

★**N. J., Somerville**—Bd. Freeholders Somerset Co. let contract improving 2.84 mi. Mead-Griggstown Rd., waterbound macadam, to Hickey Constr. Co., Somerville, $12,100. Noted July 12.

N. J., South River—Bd. Freeholders Middlesex Co., New Brunswick, received low bids paving Main, Ferry, Causeways Sts. and South Amboy-Sayreville Rd. from T. H. Riddle, 102 Church St., New Brunswick, $40,576; Utility Constr. Co., 46 Paterson St., New Brunswick, $41,317; Graham & McKeon, $41,328. Noted July 26.

Pennsylvania—(Official)—State Highway Comn., Harrisburg, received low bids road work as follows: McKean Co. Route 96, Olean, N. Y., to Pennsylvania-New York state line, Foster Twp., 8367 ft. vitr. brick, from E. M. Love & Sons, Corry, $54,502; J. B. Sheehan, Bradford, $56,939, Eartino & Bevaqua, Bradford, $59,153; Somerset Co. Route 51, Myersdale to Garrett, from R. B. Taylor, Bellefonte, $81,428; Hoblitzell & Price, Myersdale, $114,977; W. G. Evans, Ambler, $146,711. Noted July 12.

★**Pa., Birdsboro**—City let contract macadamizing Main and Furnace Sts. to I. S. Horton & Co., Reading.

★**Pa., Carnegie**—City let contract paving portion Cubbage, Elm, and 4th, Howard, Jane, Walnut, Williams Sts., and 7th, 1st and Midland Aves. to S. Gamble Co.

★**Pa., Dorranceton** — Boro. let contract paving and installing storm sewers Pierce St. to B. G. Coons Constr. Co., Luzerne, $12,500.

★**Pa., East Mauch Chunk**—Boro. let contract paving 1852 ft. Center St., to C. E. Riebe Lansford, $2.70 per sq.ft. Noted Apr. 19.

★**Pa., Erie**—(Official)—City let contract paving Lighthouse St. to J. J. Doyle, 457 West 3rd St., $12,069.

★**Pa., Sayre**—Town let contract paving North Elmer Ave. to R. J. De Long, 516 Anthony St., Williamsport, $16,406.

★**Maryland**—State Highway Comn., Baltimore, let contract building 4.64 mi. concrete road, Talbot Co. to Shafer & Williams, Easton; roads, Frederick Co. to M. J. Grove Lime Co., Limekiln.

★**Va., Lynchburg**—City let contract roadway, Campbell Courthouse Turnpike from Grace St. to city limits, rubble stone, to Burnett Bros., Lynchburg, $13,000.

★**Ala., Bessemer**—City let contract paving portion 2nd Ave. to Sullivan, Long & Haggert, Bessemer, $2.25 per sq.yd.

★**Miss., Biloxi**—City let contract resurfacing streets to W. E. Callahan, City National Bank Bldg., Omaha, Neb. About $35,000. Noted July 12.

★**Tenn., Chattanooga** — Hamilton Co. Comrs. let contract paving Market St. bridge, oil distillate asphalt, to West Constr. Co., 10th and Market Sts., $29,456.

★**Tenn., Wartburg**—Morgan Co. Comrs. let contract surfacing, crushed sandrock, surfaced with chert, near Lancing, to Arthur B. Long, Victoria, $20,000.

★**Ky., Carrolton**—City let contract paving portions Main, 5th and Court Sts., concrete, to Mastor Constr. Co., Seymour, Ind., $2.40 per yd. Noted July 26.

★**Ky., Jenkins**—City let contract 4400 sq. yd. paving, concrete, to Phelps-Post-Gwyn Co., Lexington, $2.25 per sq.yd.

O., Canton—City received low bid improving portion Belden Ave., N. E., from Cable Co., and Wise Bros., both of Canton. Noted June 28.

★**O., Cleveland**—Bd. Control let contract paving portion Clifton Rd. to Cleveland Trinidad Paving Co., The Arcade, $55,325. Noted July 19.

★**O., Columbus**—City let contract paving Edward and Hamilton Sts. and St. Clair Ave. to G. Pugh, Commerce Bldg., also paving several streets to Andrews Asphalt Paving Co., 464 West 6th Ave.

★**O., Coshocton**—City let contract grading, paving and curbing 6th and Pine Sts. to J. Hall; Benman Ave. to Henderson Bros. About $12,912. Noted July 19.

★**O., Coshocton**—City let contract paving Roscoe St. to Henderson Bros., Coshocton, $17,700.

★**O., Dayton**—City let contract paving portion Burkhardt Ave. to Finke Eng. Co., $2.85 per sq.yd.; East 3rd St. to E. Murray, $2.76 per sq.yd.

★**O., East Liverpool**—(Official)—T. Doherty, dir. pub. serv., let contract paving Penn Ave., Elizabeth and Harvey Sts., to F. G. Waggoner, Carrollton. Noted July 19.

★**O., Fremont**—Sandusky Co. let contract improving 2 mi. Cleveland-Sandusky Rd., concrete to J. Gotron, $40,000.

★**O., Marion**—City let contract sidewalks on Herber, Spencer, Glad, Ivanhoe and other streets, to J. H. Kinsler, Marion. Noted Apr. 26.

★**O., Marysville**—Union Co. let contract building Wapakoneta-Roundhead Rd., 11.72 mi. to Creagor & Co., Hamler, $59,923.

O., Newport—City received low bids repaving portion 3rd St., wood block, from E. J. Knepfle, $14,291, Schoolfield & Jones, $15,980; Metzel & O'Hearn, $14,339. Contractors all of Newport.

★**O., Warren**—Trumball Co. Comrs. let contract building New Buffalo Rd. to E. E. Miller, $14,600; McClure Rd. to Gialdini & Mango, $11,000; Burley Rd. to L. H. Young, $16,700; Salem-Warren Rd. to J. E. Paxton, $27,700; Damascus Rd. to L. H. Young, $20,500.

★**O., Youngstown**—Mahoning Co. Comrs. let contract macadamizing roads as follows: Damascus, Berlin and Princetown Rd., Sect. No. 6, to L. H. Young, $20,565; Salem-Warren Rd., Sect. No. 3, to J. D. Paxon, $28,733; Burkey Rd., Sect. No. 1, to L. H. Young, $16,771; McClurg Rd., Sect. 2, G. Mango, $10,997; New Buffalo and Ribletts Corners' Rd., Sect. No. 3, to E. E. Miller, $14,658; contractors all of Youngstown.

★**Ind., Elkhart**—City let contract paving Edwardsburg Ave., brick, to Northern Constr. Co., Elkhart, $28,492; Greenleaf Park, bituminous macadam to E. Atkins, Elkhart, $21,400. Noted Aug. 2.

★**Ind., Ft. Wayne**—City let contract resurfacing Fairfield View Pl., bituminous concrete, and portion Bryn Mawr Ave., to Grace Constr. & Supply Co., 702 Wintes St., paving portion State Blvd., to Crudes Realty Co., Ft. Wayne.

Ind., Ft. Wayne—City received low bids paving Coombs, Osage, and Wall Sts., brick, and Liberty, Grace, Garden, Kinnaird, Lake and Wildwood Aves. and Lasselle and Webster Sts., bituminous concrete, from Grace Constr. Co., 1702 Winter St. and Moellering Constr. Co., Ft. Wayne. Noted June 7.

★**Ind., Logansport**—City let contract paving Miami Ave., to Andrews Asphalt Paving Co., Hamilton, $2.05 per sq. yd. Noted July 26.

Ind., Michigan City—Bd. Pub. Wks. received low bids paving portions 11th St. Municipal Contr. & Supply Co., Gary, and Williston Constr. Co., 243 South Dearborn St., Chicago. Noted July 19.

★**Ind., Rochester**—Marshall and Fulton Co. comrs. let contract building Gibbons Co. line gravel road; about 8 mi. to J. M. Hatch, Macy. Noted July 5.

Ind., South Bend—(Official)—City let contract paving portions Howard St., asphaltic concrete, to Williston Constr. Co., 343 South Dearborn St., Chicago. Noted July 26.

Ind., Terre Haute—Vigo Co. received low bid paving 2¾ mi. South 25th St. brick, from Weaver & Welch Co., Terre Haute, $70,382, Foulkes Contr. Co., 705 Ohio St., $70,458. Noted July 26.

★**Ind., Warsaw** — Kosciusko Co. Comrs. let contract concrete roads to Hutton-Harris Constr. Co., Mt. Vernon, $44,700.

★**Ind., Whiting**—Bd. Local Improv. let contract paving Standard Ave. to Laverne Bros., 424 Summer St., Hammond, $30,000.

★**Mich., Grand Kapids** — Kent Co. Rd. Comn. let contract building 7¼ mi. Byron-Center Rd., Byron and Wyoming Twps., concrete to Golden & Boter, 25 Market Ave., N. W.

★**Illinois**—State Highway Comn., Springfield, let contract building roads, Neponsit and Greenville Cos., to Keokuk Quarry Constr. Co., Keokuk, $22,186 and $22,507 respectively.

★**Ill., Riverside**—City let contract paving Riverside Park and Ave. to W. P. Ryan, Lyons, $25,000.

★**Ill., Rockford**—(Official) — Winnebago Co. let contract building roads on Sect. F, Route No. 5 to Hart & Page, 110 North Court St., $33,016, exclusive of cement.

Ill., Rockford—City received low bids paving 11th St., to Government cantonment, 2 mi. concrete, from J. A. Sickley, 133 West Washington St., Chicago, $32,854; Hart & Page, 110 North Court St., Rockford, $33,016. Noted July 26.

Streets and Roads (Continued)

★**Ill., Springfield**—County let contract, 4900 ft. concrete highway north of Chebanse limits to Goggins Constr. Co., Arcola. About $10,730.

★**Ill., Springfield** — (Official) — City let contract paving 15th and portion Laurel St., to J. O. Patterson & Co., Springfield, $13,468.

★**Ill., West Frankfort** — (Official) — Franklin Co. let contract building concrete highways and necessary bridges in Deming Twp. to Stocker Graveling & Constr. Co., Highland, $42,342. Noted July 19.

★**Wis., Eau Claire**—W. J. Wolf, highway comr., let contract road in Eau Claire Co. to J. Godder, Fairchild. About $50,000.

★**Ia., Des Moines**—City let contract paving 10,000 yd. streets, concrete, to Des Moines Asphalt Paving Co., 2nd and New York Aves., $2.09 per yd.

★**Ia., Nevada**—City let contract paving 10 blks., vitr. brick, to Cary & Sons, Clinton, $2.35 per yd.

★**Ia., Spirit Lake**—Dickinson Co. let contract about 12 mi. grading to J. E. Kughn & Sons, Dows, $.229.

Minn., Crookston—City received low paving 5000 sq.yd. streets, concrete, from J. McDonnell, Crookston, $2.09 per sq.yd.; Grand Forks Concrete Co., Grand Forks, $1.93 sq.yd.

★**Neb., Beatrice**—(Official)—City let contract paving Dists. Nos. 28, 29, 30, 31 and repaving Dist. No. 6 to Abel Constr. Co., Lincoln.

★**Neb., Grand Island**—City let contract paving Dist. No. 22, asphalt, to E. D. Tyner Constr. Co., Kansas City, Mo., $1.74 per yd.

★**Neb., Hastings**—City let contract paving 55,000 yd. sheet asphalt, to Watts Constr. Co., Salina, Kan., $1.84 per yd.

★**Neb., Lincoln**—Lancaster Co. Comrs. let contract paving and grading 1 mi. county highway, Dist. No. 16, to Roberts Constr. Co., Lincoln, $2.03 per sq.yd. Noted Aug. 2.

★**Mont., Geraldine**—City let contract for concrete walks, crosswalks and curbs to S. Birch & Sons Constr. Co., $17,000.

Mo., Kansas City—Bd. Pub. Wks let contract to J. Lyle Constr. Co., Grand Ave. Temple, paving 12 blocks 55th St., concrete and 1 block Brooklyn St., $1.56 and $1.46 per sq.yd. respectively; A. Jaicks Co., Amer. Bank Bldg., 1 mi. Prospect St., 1½ blocks 25th St., and 2 blocks 25th St., brick, $3.20, $3.05 and $3.18 respectively; D. T. Brosnaham, 3233 Karnes St., 2 blocks 32nd St., brick, $2.89; J. E. Welsh, 1122 East Gilman, Rd., 4 blocks on 25th St., brick and concrete, $3.00 and $1.60 respectively.

★**Tex., Vega**—Oldham Co. let contract building roads to Smith Bros., Crockett, $50,095.

★**Okla., Oklahoma**—City let contract paving 22nd St. to Western Paving Co., Terminal Bldg., $13,730.

Okla., Tulsa—City received low bid paving portions Gusher, Rice, Martin, Mitchell and other streets, from Eureka Paving Co., 1115 Carter Bldg., Houston, Tex., $425,000.

★**Idaho, Cocatello**—Bannock Co. let contract graveling Yellowstone Park highway, 12 mi. north of here, to J. J. Carroll, $10,000.

★**Wash., Everett**—Snohomish Co. Comrs. let contract paving 2½ mi. Edmonds Rd. to Reinseth Bros., Everett, $10,923.

★**Wash., Seattle**—King Co. Comrs. let contract rebuilding highway connecting Kirkland and Juanita, 2½ mi., to L. H. Goerig, Seattle, $45,000. Noted Apr. 26.

★**Wash., Seattle** — King Co. Comrs. let contract building final length Cascade Scenic Highway, 5½ mi. to Quigg Constr. Co., Hoge Bldg., $47,607. Noted July 19.

★**Wash., Seattle**—Bd. Pub. Wks. let contract grading 15th Ave. S. L. I. D. 3080 to Superior Constr. Co., 1642 Lane St., $10,427. Noted July 12.

★**Oregon**—State Highway Comn., Salem, let contract building 10 mi. Portland-Salem-East side Highway, Marion and Clackamas Cos. to Hassam Paving Co., Bd. Trade Bldg., Portland, $138,954; road from Multnomah Co. line to Newbury to O. Huber, Sherlock Bldg., Portland, $265,415; section Pacific Highway between Astoria and Swenson to Warren Constr. Co., Journal Bldg., Portland, $156,762.

★**Ore., Astoria**—City let contract paving and improving portion Exchange and 18th Sts. to Miller & Bauer, $46,034 and $16,245 respectively; installing sewers and building D. D. 4 to Keating & Jameson, $16,900. Noted Apr. 16.

★**Cal., Berkeley**—City let contract paving Hopkins St. to Clark & Henery Co., Ochsner Bldg., San Francisco, $33,705.

★**Cal., Lemoore**—City let contract improving streets and installing electrolier lighting-system to California Road and Street Improv. Co., Fresno, $140,000. Noted July 12.

Cal., Long Beach—City received low bid for 659,145 sq.ft. 4-in. concrete pavement, warrenite surface, 3275 lin.ft. 8-in. vitr. pipe sewer, corrugated iron pipe and concrete culverts, etc., on Atlantic Ave., from Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, $91,340.

★**Cal., Los Angeles**—City let contract 70,183 sq.ft. paving, asphalt, 2395 sq.ft. granite block gutter, and vitr. pipe sanitary sewer in McPherson St. to G. H. Oswald, 405 O. T. Johnson Bldg., $12,747.

★**Cal., San Diego**—City let contract building 4-in. concrete paving with asphaltic surface on Sierra Vista and other streets to T. C. Breitenstein, 465 Van Wyck St., Pasadena. About $15,385. Noted Aug. 2.

★**Cal., San Diego**—City let contract building Sect. 1 of road to army cantonment at Linda Vista, involving 1710 cu.yd. excava., 10,400 cu.yd. embankment, 329,344 sq.ft. 5-in. paving, concrete and 200 ft. 2-in. cement pipe culverts, to Rooney-Wycoff Co., 421 Consolidated Realty Bldg., Los Angeles, $52,118; Sect. 2, taken under advisement, J. Engebretsen, 614 5th St., San Diego, low bidder, $22,146. Noted July 19.

★**N. B., Monocton**—City Council let contract building roads to Carritte-Paterson Co., Ltd., 89 Water St., St. John. About $16,000.

RAILWAYS—STEAM & ELECTRIC

Proposed Work

Pennsylvania—Lehigh Valley R.R. plans to electrify mountain divisions from Mauch Chunk to Wilkes-Barre and from Penn Haven to Mahoney City. E. B. Ashley, New York, ch. engr.

Maryland—Pennsylvania R.R. preparing plans for freight yards and other branch from Bayview Jct. to increase facilities to and from the plant of Bethlehem Steel Co. at Sparrow Point. A. C. Shand, Broad St. Sta., Phila., ch. engr.

North Carolina—Southern Ry. to lay 5 mi. tracks for army cantonment at Camp Greene, near Charlotte. W. H. Wells, Washington, D. C., ch. engr.

Minnesota—Duluth, Missabe & Northern Ry. prepared plans double-tracking 10-mi. line from Virginia to Wolf, also for additional yard tracks. About $150,000. H. L. Dresser, Duluth, ch. engr.

Texas—Freeport Sulphur Co. plans 60-mi. line from Freeport, Tex., to Rosenberg, by way of Brazzoria and Columbia. W. A. Randle, Freeport, ch. engr.

Oklahoma—Rock Island R.R. plans to extend line from Ft. Sill to army cantonment. About $200,000. C. A. Morse, Chicago, ch. engr.

Idaho—Oregon Short Line R.R. plans to build 4 mi. line from Idaho Falls and 7 mi. line from Firth. C. Stradley, Salt Lake City, Utah, ch. engr.

Arizona—A. B. McGaffey, Albuquerque, N. M., and associates making surveys 60-mi. railway from Holbrook to White River.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Georgia**—Elberton & Eastern R.R. let contract 10-mi. extension from Tignall to Washington, to Stanley & Singer Constr. Co., Alabama.

★**Ohio**—Youngstown & Niles Ry. let contract new high speed electric line from Youngstown to Niles to J. W. Garland, Inc., bridges, culverts and similar works for entire line to S. R. Smythe Co., Inc., House Bldg., Pittsburgh.

★**Arkansas**—Missouri Pacific R.R. will build 4 mi. spur from Dalhoff to army cantonment north of Argenta, by company forces. Noted July 12.

★**Ont., London**—Canadian Pacific Ry. let contract grading work from London to Guelph, including sidings, bridges, etc. to Sherwood Constr. Co., Mail Bldg., Toronto, $185,000.

EXCAVATION AND DREDGING

Proposed Work

Fla., Ft. Pierce—Reclamation—St. Lucie D.D., Lucie Co., plans election to vote on $400,000 bonds to reclaim 75,000 acres of land.

Fla., Miami — Drainage — Dade and Brownard Cos. retained Isham, Randolph & Co., engrs., to make surveys building Napoleon B. Brownard D.D., involving 55 acres land between Deerfield and Miami. Address W. C. Kyle, Ft. Lauderdale, engr.

Ill., Marengo—Drainage — McHenry Co. plans to organize Coral-Grafton D. D. embracing 19,258 acres in McHenry and Lake Cos., plans involve 16-mi. open ditch, 281 cu.yd. excavation, 30-mi. tile drain.

Ill., Newton—Drainage — Comrs. South Fork D. D., Jasper Co., received no bids for drainage work involving 40,367 cu.yd. excavation. Will be readvertised. Fithian & Kasserman, Newton, attorneys. Noted June 21.

Minn., Fairmont—Ditches—Martin Co. sold $100,000 bonds to build drainage ditches. H. C. Nolte, aud.

Minn., Slayton—Ditch—E. V. O'Brien, co. aud. rejected bids repairing Co. Ditch No. 6 and Judicial Ditch No. 19. Noted July 7.

Minn., Thief River Falls—Drainage — State Drainage Engrs. making surveys Red Lake to establish drainage and flood control Dist. to drain 500,000 acres of land.

Kan., Westmoreland—Drainage — Pottawatomie Co. soon receives bids for drainage work in Lost Creek, Welch Creek and Vermillion River Dist. V. R. Parkhurst, Topeka, engr.

Neb., Omaha — Emerson-Brantingham Co., South Independence Ave., Rockford, Ill., will build 4-story, 108 x 132-ft. rein.-con. and brick warehouse, 11th and Jackson Sts., by day labor.

Neb., Lincoln—Drainage—Lancaster Co. soon lets contract building Salt Creek D. D., involving open ditch and channel work. W. S. Scott, 310 Little Bldg., engr.

Neb., Lincoln—Drainage—Lancaster Co. soon lets contract building Middle Creek D. D. No. 1, involving 100,000 cu.yd. open ditch and straightening and deepening creek. A. H. Edgren, co. engr. Noted July 26.

Utah, Salt Lake City—Reclamation—Salt Lake Co. soon receives bids reclaiming 4080 acres salt lands, Brighton D.D. Bonds for $80,000 voted for project. R. A. Hart, engr.

BIDS DESIRED

Ill., Paxton—Redredging—Until Aug. 21, by Cloud & Thompson, attorneys, Paxton, redredging main ditch, Union D. D., length 59,745 ft., yardage, 209,086 cu.yd.

Ia., Sibley—Drainage—Until Aug. 13, by Osceola Co., building D. D. No. 37, involving 1900 ft. open ditch, 56,450 ft. 6- to 30-in. tile, bulkheads, inlets, etc. About $32,000. D. W. Clayton, aud.

Ill., Sullivan—Drainage—Until Aug. 18, by Drainage Comr. Dist. 2, Livingston Co., building system of drainage involving 19,478 ft., 8-, 10-, 12-, 16-, 22- and 30-in. tile. J. D. Brown, comr.

Ia., Des Moines—Drainage—Until Aug. 20, by J. M. Wells, Nevada, engr. for Joint Dist. No. 1, Polk and Storey Cos., involving 16,629 ft. 18- 26- and 34-in. tile. About $26,405. Former bids rejected. F. J. Alber, clk. Polk Co. F. E. King, clk. Storey Co. Noted July 26.

Ia., Emmetsburg—Drainage—Until Aug. 16, by Palo Alto Co. building D. D. No. 98, involving 315,000 yd. excava., 8- to 12-ft. bottom, 106,180 ft. of 6-, 10-, 12-, 14-, 15-, 16-, 18-, 20-, 22-, 24-, 26-, 30- and 36-in. tile. G. R. Campbell, co. engr.

Minn., Madison—Until Aug. 14 by Lac Qui Parle Co., Building Co., Ditch No. 44, involving 12,750 ft. 6-, 8-, 9-, 10-, 12-, 14-, 15-, 16-, 18-, 20- and 22-in. tile, cost, $11,650; Co. Ditch No. 4, involving 51,100 ft. 6-, 7-, 8-, 9-, 10-, 12-, 14-, 15-, 16-, 18-, 20-, 22- and 24-in. tile. Cost, $56,838. A. G. Shogren, aud.

Minn., Owatonna—Ditch—Until Aug. 20, by M. J. Parcher, aud. Steele Co., building Co. Ditch No. 5, involving 168,476 cu.yd. excavation, spreading 84,238 cu.yd., 88,700 ft. tile, etc. About $51,450.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. C., Wilmington**—Drainage—(Official) —W. E. Price, chn. bd. drainage comrs., let contract 9 mi. drainage ditches, D. D. No. 3, to Southern Drainage and Construction Co., Kingston, $13,000. Noted June 21.

★**Fla., West Palm Beach**—Bd. Superv. Lake Worth D. D., Palm Beach Co., let contract drainage work involving removal 7,205,000 cu.yd. earth, 180,000 cu.yd. rock, also building necessary bridges to A. V. Wills & Sons, St. Louis, Mo., and J. T. McCarthy, Gainesville, $684,684.

Excavation and Dredging (Continued)

★**Miss., Greenville**—Drainage—Washington Co. let contract building drainage ditch, 133 mi. long, involving 5,000,000 cu.yd. earthwork to J. B. Arpin Dredging Co., 422 Bing Bldg., Houston, $493,600.

★**Ky., Louisville** — Dredging — Jefferson Co. let contract dredging north and south forks Pong Creek to Miller Bros., Louisville, $30,420.

★**Mich., Sturgis**—Excavation—Bd. Pub. Wks. let contract excavating 3-mi. tail race for power plant on St. Joseph River to G. W. Bunker Co., 1570 Robinson Rd., Grand Rapids.

★**Ill., Geneseo**—Drainage—Henry Co. let contract 489,723 cu.yd. excavation, Lower Green River Spl. D. D. to W. Long, Sheffield and R. Meak, Jacksonville.

★**Ill., Lawrenceville**—Redredging—L. A. Funk, comr. Allison Ditch Dist. No. 1, Lawrence Co., let contract redredging 10-mi. ditch, involving 73,427 cu.yd. excavation to S. Day, Rock Island. Noted July 19.

★**Ill., Tuscola**—Drainage—Douglas Co. let contract laying 8640 ft. tile ditch, D. D. No. 8 to National Drain Tile Co., 20 Rose Disp. Bldg., Terre Haute, Ind., and Goggins Constr. Co., Arcola, Ill.

★**Ia., Boone**—Drainage—Joint Bd. Supervs., Boone and Storey Cos., let contract for Boone-Story Joint Drain Sub. No. 1 involving 35,000 ft. tile as follows: tile to Jefferson Cement Products Co., Jefferson, and Iowa Pipe and Tile Co., Des Moines; labor to A. G. Hueter, and Johnson & Caldwell, both of Lytton. Noted June 28.

★**Ia., Indianola**—Drainage—Squaw Creek D. D. No. 4, Warren Co., let contract new channel involving 543,401 cu.yd. excavation to L. E. Sternberg, Memphis. Noted July 5.

★**Ia., Logan**—Drainage—Harrison Co. let contract for Upper Soldier D. D. No. 2, involving 156,260 cu.yd. excavation to R. S. Morrow, 5006 Burt St., Omaha.

★**Ia., Mason City**—Drainage—Bd. Superv. Cerro Gordo Co. let contract building D. D. No. 53 to A. W. Dunlap.

★**Ia., Nevada**—Drainage—F. E. King, Aud. Story Co., let contract building Richland Twp. D. D. No. 81 to J. McKillip, Faribault, Minn., 19½c. per cu.yd., open work; Fry & Hankins, Cole, $11,533, labor; Macomb Sewer Pipe Co., $28,982, tile. Noted July 26.

★**Ia., Spencer**—Ditch—A. W. Chamberlain, Clay Co. aud., let contract for 393,000 cu.yd. excavation and 2 bulkheads on D. D. No. 37 to Northern Constr. Co., Elkhart. Noted July 5.

★**Minn., Austin**—Excavation, Etc.—A. C. White, Mower Co. engr., let contract 12,000 cu.yd. excavation, 17,000 cu.yd. borrow, 27,000 cu.yd. side borrow, 1000 cu.yd. side ditching, 1700 lin.ft. tiling to R. Drummond, Austin.

★**Minn., Mahnomen** — Ditch—Mahnomen Co. let contract building Co. Ditch No. 3, involving 173,422 cu.yd. excavation to W. H. Small & Son, Aitkin.

★**Minn., Mankato**—Ditch—Blue Earth Co. let contract building Judicial Ditch No. 15 to North Star Constr. Co., $64,975.

★**Neb., Lincoln**—Ditch—Lancaster Co. let contract straightening and deepening 2 mi. Dead Man's Run Ditch to E. Walworth, Lincoln.

★**S. D., Madison**—Ditch—Lake County let contract building ditch to P. A. Thompson, Green, Ia., $32,750.

★**Ore., Astoria**—Drainage—See "Streets and Roads."

INDUSTRIAL WORKS

Proposed Work

Conn., New Haven — American Steel & Wire Co., 238 Fairmont Ave., Worcester, plans 1-story, 88 x 363 ft. brick rope mill, 1-story, 50 x 125 ft. addition to building No. 31 and 1-story, 223 ft. addition to No. 7.

N. Y., Brooklyn—Lancaster Realty Co. having plans prepared by Shampan & Shampan, 772 Broadway, 2-story, 121 x 155-ft. brick service station. About $150,000. L. Gold, 44 Court St., pres.

N. Y., Flushing—New York & Queens Electric Light, Heat & Power Co., 444 Jackson Ave., Long Island City, plans 2-story, 94 x 103 ft. brick, steel and concrete substation and storehouse on Lawrence Ave. About $50,000. W. W. Knowles, 37 West 39th St., New York City, archt.

N. J., Kingsland—Canadian Car & Fdry. Co., 165 Bway., New York City, plans rebuilding large munition factory recently destroyed by fire. J. G. Evans, asst. mgr.

N. J., Trenton—American Steel & Wire Co., Hamilton Ave., plans 1-story, 173 x 173 ft. brick and steel addition to wire rope plant; also addition to machine shop.

Pa., Darby—Griswold Worsted Co. plans filter plant. Willard Case Co., 1st Natl. Bank Bldg., Phila., archts.

Pa., Phila.—Pennsylvania R.R. plans large addition to shops between 47th and 48th Sts. A. E. Shand, Broad St. Sta., ch. engr.

Pa., Phila.—G. P. Wetherill & Co. having plans prepared by G. King & Co., archts., 1513 Walnut St., 4-story, 37 x 78-ft. brick and concrete, 16 x 30-ft. wing factory, 114 North Front St.

S. C., Beaufort—American Shipbuilding & Dry Dock Corp. plans shipbuilding plant on Beaufort River, including shipways, machine shops and erecting shops. R. C. Horne, Jr., Beaufort, pres.

O., Cincinnati—Natl. Lead Co., 659 Freeman Ave., plans 3-story, 50 x 100-ft. plant. About $60,000. E. C. Goshoin, mgr. B. L. Baldwin, Clerin Bldg., archt.

O., Cleveland—H. D. Koblitz, 370 The Arcade, purchased site on East 72nd St. and will build 4 6-story factory buildings. About $500,000.

O., Cleveland — Morgan Lithographing Co., St. Clair Ave., plans 3-story, 138 x 250 ft. plant on Payne Ave. and East 17th St. About $250,000.

O., Defiance—Definance Machine Works has increased its capital stock from $600,000 to $1,200,000 and plans 2-story, concrete and brick plant on 3rd, Perry and Jackson Sts. W. F. McCarty, c/o W. B. Daoust, Holgate Ave., ch. engr.

Mich., Coldwater—Michigan Tire & Rubber Co. plans 2-story steel and concrete factory. About $50,000. W. C. Owen & Co., 1900 Euclid Ave., Cleveland, archt.

Mich., Highland Park—J. H. McDonald, attorney, 1323 Woodward Ave., Detroit, plans 3-story, 56 x 150 ft. garage and salesroom. About $60,000. A. E. Harley, 1204 Kresge Bldg., Detroit, archt.

Ill., Chicago—Chicago Screw Co., 1026 Homan Ave., plans factory on 66 x 125 ft. site. About $500,000.

Ill., Chicago—General Electric Co., Nela Park, Cleveland, plans brick warehouse and office building. About $60,000. G. H. Johnson, Citizens Bldg., archt.

Ill., Chicago—Monarch Leather Co., 1101 West Division St., plans 5-story, 60 x 150 ft. leather factory. About $150,000. W. N. Eisenarath, pres. Stern & Reichert, archts., 220 South State St., soon receive bids.

Ill., Chicago—Nat. Biscuit Co., 110 North Morgan St., plans large industrial plant to cost several million dollars.

Ill., Chicago—Peoples Gas Light & Coke Co., 122 South Michigan Ave., receives bids about Jan. 1 for plant. About $30,000,000. R. Scheck, archt.

Wis., Superior—Duluth-Superior Milling Co., 620 Bd. of Trade Bldg., Duluth, plans 150 x 310-ft. addition to Daisy Mill. About $80,000.

Mo., St. Louis—American Mfg. Co., Rialto Bldg., plans large bagging plant in East St. Louis. About $500,000. J. D. Filley, pres.

Tex., El Paso—El Paso Valley Water Users Assn. plans large hydro-electric plant at Elephant Butte Dam with 40,000 hp. capacity. About $1,000,000.

Tex., Grand Prairie—Grand Prairie Mfg. Co. plans rebuilding brick factory recently destroyed by fire. About $125,000.

Tex., Houston—F. Wilde, Houston, has leased site on Houston ship channel and plans 60 x 100-ft. brick plant. About $100,000.

Tex., Orange—Orange Hardwood Lumber Co. plans lumber mill here. About $50,000.

Okla., Oklahoma City—Sifers Candy Co., 517 Grain Ex. Bldg., Hutchinson, Kan., receives bids about Aug. 11, 5-story, 60 x 120 ft. About $70,000. Bailey & Bailey, 616 Colcord Bldg., archt. Noted Apr. 12.

Okla., Ringling — Peoples Refining Co., Oklahoma City, receives bids about Aug. 20, stills, storage tanks, pumps and power house. About $65,000. E. D. Smith, 515 Insurance Bldg., Oklahoma City, mgr.

N. Mex., Las Cruces—Holly Sugar Co., Colorado, plans large sugar factory here. About $1,000,000.

Ore., Portland—City having plans prepared by G. B. Hagardt, engr. comn. pub. docks, first unit grain elevator, capacity 1,000,000 bushels.

Ore., Portland—Hesse & Martin Iron Wks., 434 Belmont St., plans forge and foundry shop addition to plant. About $100,000.

BIDS DESIRED

N. Y., New Hampton—Until Aug. 20, by B. G. Lewis, comr. of Correction, Municipal Bldg., New York, building power house and connecting tunnels of New York City reformatory.

Wis., Milwaukee—Until Sept. 1 by Fraser Co., engrs., 667 East Water St. 7-story, 150 x 180 ft. rein.-con. and brick, elevator and warehouse. About $200,000 for L. Towles Seed Co., 113 Clybourn St. Noted July 26.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., New Bedford** — Pairpont Co., Prospect St., let contract 4-story, 100 x 200 ft. brick storehouse on Howland and Prospect Sts., to J. W. Bishop, 109 Foster St. Noted Aug. 2.

★**N. Y., Brooklyn**—Sperry Gyroscope Co. let contract 11-story, 99 x 149-ft. plant to Turner Constr. Co., 244 Madison Ave., New York City.

★**N. Y., Buffalo**—Curtiss Aeroplane Co., 1739 Elmwood Ave., let contract 1,000,000 sq.ft. factory addition to S. Austin Co., 14230 Euclid Ave., Cleveland. About $5,000,000. Noted Aug. 2.

★**N. Y., Buffalo**—Pennsylvania R.R. let contract 2-story, brick, concrete and steel freight house; also 2 bridges to G. H. Scheckler & Sons, Erie Ave., $200,000.

★**N. J., Harrison**—General Electric Co. let contract 2-story, 135 x 255 ft. rein.-con. and struc. steel, glass bulb factory to E. M. Waldron, Inc., 207 Market St., Newark. About $150,000. Noted July 5.

★**O., Cleveland**—Torbenson Axle Co., 1115 East 152nd St., let contract 109 x 142-ft. steel plant to Austin Co., 14330 Euclid Ave. About $50,000.

★**Ill., Chicago**—Gallanis Bros., 2035 Halsted St., let contract 6-story rein.-con. candy factory to Lewis Constr. Co. About $200,000.

★**Ia., Davenport**—Standard Oil Co. let contract warehouse and garage to H. G. Hays Constr. Co., 335 Masonic Temple. About $80,000.

★**Ia., Des Moines**—Bast-Forgarty Milling Co., Des Moines, let contract, brick and rein.-con. mill, headhouse, tanks and warehouse to A. H. Neumann & Co., Hubbell Bldg. About $65,000.

★**Ark., Ft. Smith**—Ft. Smith Cotton Compress Co., South Side, let contract 1-story, 151 x 380-ft. rein.-con. warehouse to T. T. Reddick, General Contr. & Bldg. Co., 2701 May Ave. About $50,000.

★**Que., Chambly Canton** — Canadian Leatherboard Co. let contract new plant to Trussed Concrete Steel Co., 285 Beaver Hall Hill, Montreal. About $225,000. Noted Aug. 2.

BUILDINGS

Proposed Work

Me., Hallowell — State school — F. W. Hinckley, chn. trustees, Portland, soon receives bids 2-story, 50 x 122 ft. brick. About $60,000. W. G. Bunker, Augusta Trust Bldg., Augusta, archt.

Mass., Boston—Office—A. Geiger, Jr., 87 Milk St., plans 7-story, 103 x 120 ft., on Massachusetts Ave. and Newbury St. About $750,000.

Mass., Worcester — Home — Worcester Aerie, F. O. E., plans 3-story, 98 x 86 ft. brick, Main and Carleton Sts. F. Coulson, archt., 405 Main St., soon receives bids.

Mass., Worthington — Hotel — Worthington Inn, Worthington, soon lets contract 4-story, 40 x 124-ft. addition and 30 x 40 ft. "L." About $75,000. Putnam & Taylor, 78 Main St., Northampton, archts.

Conn., Stamford—Pavilion — City plans bathing pavilion. About $100,000. H. Marvin, Gulley Blk., engr.

N. Y., Buffalo—Church—St. John Evangelist Congregation plans 1-story. About $75,000. M. K. Weber, 2315 Seneca St., pastor. C. Schmill & Sons, 1338 Prudential Bldg., archts.

Buildings (Continued)

N. Y., New York—Theater and Office—Jason Bldg. Co., 225 West 44th St., plans 5-story, 100 x 111 ft. About $50,000. J. J. Shubert, pres. H. J. Krapp, 116 East 16th St., archt.

N. Y., Watertown—School—Bd. Educ. rejected bids, addition and alteration. New bids soon. About $60,000. F. S. Tisdale, City Hall, supt. bd. educ. A. F. Lansing, Sherman Blk., archt.

N. J., Union—School—Bd. Educ. soon receives bids for new School No. 2. About $200,000.

Pa., Braddock—Bank, Store and Office—N. M. Holland Estate, P. S. Kennington, 743 Braddock Ave., executor, plans 3-story, 40 x 129 ft. About $50,000. Carlisle & Sharrer, archts., Jenkins Arcade, soon receive bids.

Pa., Farrell—Shenango Land Co. plans about 200 new buildings.

Del., Dover—Courthouse—Kent Co. plans 2-story addition. About $70,000. J. L. Hopkins, R. D. Harrington, chn. bldg. comm. Wilson, Eyre & McIlvain, 1003 Spruce St., Phila., archts.

Va., Lynchburg—(Official)—Y. W. C. A. soon lets contract brick and stone. N. Chase, secy. S. S. Johnson, 603-5 Peoples Natl. Bank Bldg., archt.

O., Akron — Hospital — County Comrs. voted $50,000 bond issue for addition to Childrens Home.

O., Canton — Office — United Alloy Steel Corp., Belden Ave., soon receives bids, 2-story, 50 x 200 ft. brick, on Georgetown Rd. About $100,000. H. R. Jones, pres. W. Hirsh, 1303 Swetland Bldg., Cleveland, archt.

O., Cleveland — Home — Jewish Infants Orphan Home, 2200 East 40th St., c/o A. Horwitz, Leader-News Bldg., purchased site at Euclid Ave. and plans to build. About $50,000 to $100,000.

O., Cleveland—Office—Physicians & Dentists Bldg. Co. plans, 16-story. About $1,000,000. R. G. Lee, Amer. Trust Bldg., interested.

O., Cleveland—Theatre and Store—M. M. Schoektel soon lets contract, 4-story, 50 x 132-ft. steel and concrete, 1862-66 East 9th St. About $70,000. G. Grielle, Park Bldg., archt.

O., Cleveland—Y. M. C. A.—Young Men's Investment Co., 938 Schofield Bldg., soon receives bids, 6-story, 112 x 200 ft. About $200,000. F. Hart, pres. J. Eisemann, 521 The Arcade, archts.

O., Gallipolis—Dormitories—Ohio Bd. Administration plans 1-story, 100 x 100-ft. T. E. Davey, Oak and 9th Sts., Columbus, pres.

O., Lakewood—Church and School—St. Gregory's Congregation, c/o G. Ivanko, 2040 Halstead St., soon lets contract, 2-story, 42 x 80 ft. brick and steel, at Dowd and Madison Sts. About $50,000. C. J. Lorenz, 5321 Bway., archt.

O., Mansfield—State Reformatory—Ohio Bd. Administration, Oak and 9th Sts., Columbus, will build 1-story, 50 x 180-ft. addition and 2 50 x 90-ft. wings. About $100,000. D. C. Creamer, secy.

O., Orient—Dormitories — Ohio Bd. Administration plans 5 1-story, 100 x 100 ft. About $142,000. T. E. Davey, Oak and 39th Sts., Columbus, pres.

Ind., Kokomo—Temple — Howard Lodge No. 93, F. and A. M. Bldg., plans, 4-story, 76 x 95 ft. About $75,000. W. H. Williamson, chn. bldg. comn. E. E. Dunlap, 909 State Bldg., Indianapolis, archt.

Mich., Champion — School — Bd. Educ. plans 3-story building. J. D. Chubb, 109 North Dearborn St., Chicago, archt. About $75,000.

Mich., Vassar—School—Bd. Educ. plans rebuilding, 3-story, 70 x 148 ft. About $80,000. G. D. Claek, pres. J. C. Peterson, Traverse City, archt.

Ill., Aurora—Sanatorium — M. Diabetis Sanatorium plans 3-story, 60 x 100 ft. About $80,000. Worst & Shepardson, archts., Coulter Bldg., soon receive bids.

Ill., Chicago—Theater—Woodlawn Theater Co., 853-55 East 63rd St., soon lets contract 1-story, brick. About $200,000. H. L. Newhouse, 4630 Prairie Ave., archt.

Ia., Charitown—Hospital—Lucas Co. election Oct. 15 to vote on $50,000 bonds to build hospital. F. M. Wilson, aud.

Ia., Des Moines — Hospital — Polk Co. plans election Oct. 15 to vote on $100,000 bond issue to build tuberculosis hospital.

Minn., Kasson—High School—Bd. Educ. plans building in School Dist. No. 3. About $75,000. N. E. Beard, clk. N. Jacobson, Owatonna, archt.

Minn., Minneapolis — Children's Hospital—City hospital soon lets contract, 2-story, 48 x 205-ft. About $60,000. A. O'Donnell, supvr. Long, Lamereaux & Long, 830 Hennipin Ave., archts. Noted July 12.

Kan., Topeka—Freight and Office—Atchison, Topeka & Santa Fe Ry. plans, 2-story on Rex Mill property. About $200,000. R. A. Rutledge, Topeka, ch. engr.

Kan., Wichita—Hotel—Lassen soon lets contract 12-story, 75 x 125 ft. About $625,000. H. Lassen, pres. Richards, McCarry & Bulford, Hartman Bldg., Columbus, archts.

Neb., Franklin—Hotel—Nebraska Bldg. & Investment Co., 120 South 13th St., Lincoln, plans 3-story, brick and stone. About $50,000. J. E. Schaff, pres.

Neb., Omaha — Hospital — Bd. Regents, State University, plans, 4-story, brick and stone. About $130,000. J. S. Dales, Sta. A., Lincoln, secy. J. Latenser & Sons, 626-32 Bee Bldg., archts.

S. D., Brookings—Hall—State Bd. Regents, Pierre, plans 1-story, 132 x 220 ft. About $80,000. P. H. Ellerbe, Endicott Bldg., St. Paul, archt.

Wyo., Thermopolis — Hotel and Bath Houses—Washakie Hotel Co., Thermopolis, plans 5-story, 200 x 200 ft. About $500,000. M. S. Fallis, archt., 900 Ideal Bldg., Denver, soon receives bids.

Mo., Columbia — Dormitory — Stephens College plans, 3-story, brick. About $50,000. J. M. Wood, pres.

Tex., Dallas—Theater and Office—Interstate Amusement Co., Dallas, plans 10-story, 120 x 200 ft. About $350,000. J. Eberson, archt., 64 East Van Buren St., Chicago, soon receives bids.

Cal., Fresno—Natatorium—Fresno Natatorium Co. plans 125 x 150-ft. brick and concrete, San Jacquin and I Sts. About $50,000. F. A. Gardner, secy. Coates & Traver, Rowell Bldg., archt.

BIDS DESIRED

N. H., Nashua—High School—Until Aug. 13 by Bd. Educ., 3-story, 152 x 183 ft., brick and stone. About $200,000. T. M. James, 1855 Devonshire St., Boston, archt. Noted July 16.

Mass., Boston—School—Until Aug. 17 by Bd. Educ., 3-story, 120 x 176 ft., brick and stone, Charter and Phipps Pl. About $150,000. J. McGinniss, 16 Arlington Pl., archt.

Mass., Mattapan—Nurses' Home—Until Aug. 22 by Boston State Hospital, Boston, 3-story, 35 x 147 ft. brick and stone. K. Taylor & Co., 93 Federal St., Boston, archts.

N. Y., Brooklyn—Library—Until Aug. 20 by Bd. of Trustees, 26 Brevoort St., 2-story, 80 x 82-ft., 4th Ave. and Pacific St. R. F. Almerall, 12 East 46th St., New York City, archt.

N. Y., Elmira—Library—Until Sept. 1 by city, 2-story, brick and stone. About $50,000. H. D. Whitfield, 160 5th Ave., New York City.

Pa., Holmesburg—House of Correction—(Official)—Until Aug. 15, by W. H. Wilson, dir. pub. safety, for alterations and additions. About $150,000. C. E. Oeschlager, 1615 Walnut St., Philadelphia, archt. Noted Aug. 2.

Pa., Lansdowne—Home—Until Aug. 14, by St. Vincents Home, 3-story, 40 x 360 ft., brick.

Wash., D. C. — (Official) — Parochial School—Until Aug. 14, by Holy Trinity Roman Catholic Congregation, 2-story, concrete and brick. About $140,000. F. G. Pierson, Washington Loan & Trust Bldg., archt. Noted July 19.

N. C., Raleigh—Administration, Kindergarten, etc. Until Aug. 16, by Bd. Dirs. State School for Blind, rein.-con. and brick, $150,000 appropriated. F. K. Thompson, Raleigh, archt.

Ind., Evansville—Junior High School—Until Aug. 13 by Bd. Educ., 2-story, 85 x 300 ft. About $100,000. A. Strause, pres. C. Shopbell & Co., 707 Furniture Ex. Bldg., archt. Noted July 12.

Ia., Spirit Lake—(Official)—Home—Until Sept. 15, by D. L. Clark, secy. bldg. com., Grand Commandery K. T. of Iowa, Newton, for dining-room and convention hall. About $60,000. Noted July 26.

S. D., Vermillion—Until Aug. 21, by Pres. of South Dakota University for engineering and women's buildings. Holmes & Flinn, 8 South Dearborn St., Chicago, archts.

S. D., Aberdeen—Dormitory—Until [illegible] 13 by State Bd. Regents, Pierre, addition to Northern Normal and Indian School. About $125,000. G. Fossum, Van Slyke Bldg., archt. Noted Apr. 26.

Mo., Kansas City—Church—Until [illegible] 20, by Trinity Methodist Congregation, 2-story, 60 x 150 ft. and wing, 48 x [illegible] ft. About $100,000. J. T. Bradley, Southwest Natl. Bank of Commerce, chn. bldg. com.

PRICES AND CONTRACTS AWARDED

★**Mass., Fall River**—Theater—N. Yanous, 78 Bedford St., let contract 1-story, 65 x 192 ft. to C. F. Grinnell & Co., 402 South Main St. About $60,000.

★**Mass., Springfield**—School—Bd. Educ. let contract, 2-story, 160 x 170 ft. Brookline and Greenwood Sts., to W. A. Newton & Co., 150 Birnie Ave. About $225,000.

★**Mass., Taunton** — High School — Bd. Educ. let contract 3-story, 157 x 203-ft. brick addition, to Cunningham & Sons Constr. Co., 7 Water St., Boston, $220,000. Kilham & Hopkins, 9 Park St., Boston, archs.

★**R. I., Providence**—Hospital—Memorial Hospital let contract 40 x 146 ft. addition with 6 x 42 ft. ell on Prospect St. to Norcross Bros. Co., 830 Industrial Trust Bldg. About $60,000.

★**N. Y., Niagara Falls** — School — Bd. Educ. let contract, 2-story, 69 x 168 ft., to Laur & Mack, 1832 Pierce Ave. About $88,000.

★**N. Y., Syracuse**—School—Bd. Educ. let contract Edward Smith school to F. A. Caswell, Cahill Bldg. About $160,000.

★**N. J., Bayonne**—School—Bd. Educ. let contract new school on West 48th St. to Egan & Montague, 1 Montgomery St., Jersey City. About $232,946. Noted May 31.

★**N. J., Trenton**—Bank—Trenton Banking Co., 16 South Warren St., let contract 1-story, 64 x 100 ft. to S. W. Mather & Sons, Greenwood Ave. and Canal Sts. About $100,000.

★**Pa., Lewistown**—Y. M. C. A. Bldg. Com. let contract, 3-story, 80 x 140 ft. building to W. D. Steinbachs Sons, Market and Dorcas Sts. About $75,000. Noted May 3.

★**Pa., Scranton** — Almshouse — Blakely Poor Dist. let contract 2-story, 90 x 90-ft., Scott Twp. to L. T. Stipp, Union Bank Bldg. About $70,000.

★**Wash., D. C.**—Theater—T. Moore, c/o Garden Moving Picture Theater, 423 9th St., N. W., let contract, 1- and 2-story, 70 x 100 and 100 x 100 ft. to M. A. Weller Co., 816 14th St., N. W. About $250,000.

★**S. C., Saluda**—(Official)—Court House—County let contract to J. W. Stout, Sanford, N. C. About $60,000. Noted July 19.

★**O., Cleveland**—High School—Cleveland Catholic Diocese, care of Rev. J. P. Farrelly, East 9th and Superior Sts., let contract, 3-story, brick, Euclid and East 107th Sts., to G. A. Fuller & Co., Swetland Bldg., $200,000. Noted July 5.

★**O., Cleveland** — Welfare — Hydraulic Pressed Steel Co., 315 East 61st St., let contract brick and steel, to G. A. Rutherford, 2160 East 18th St. About $80,000.

★**Ind., Gary** — School and Church—St. Hedwig Congregation let contract 2-story, to J. Wasielewski, 1528 Madison St. About $50,000.

★**Ill., La Salle**—Hotel—F. W. Malthiessen, care of G. P. Blow, La Salle, let contract 3-story, 68 x 120 ft., to Krahl Constr. Co., 350 North Clark St., Chicago. About $130,000. Noted June 7.

★**Ill., Riverside**—Home—Illinois St. Andrews Society let contract rebuilding, 1- and 2-story, 34 x 118 ft. and 31 x 121 ft., to Thomson & Sons Co., 30 North LaSalle St., Chicago. About $100,000. Noted July 12.

★**Wis., Barksdale** — (Official) — School—Bd. Educ. let contract to Tomlinson & Egan, Ashland, on percentage leases. Noted July 19.

★**Ia., Columbus Junction** — School — Bd. Educ. let contract in Columbus Independent School Dist., brick to H. A. Beck, 1707 Mt. Pleasant St., Burlington. About $60,950. Noted June 28.

★**Ia., Shenandoah**.— High School — Bd. Educ. let contract brick, stone and rein.-con. to Getchell & Sugarman, Des Moines. About $140,000. Noted June 28.

Buildings (Continued)

★**Ia., Sioux City**—Courthouse—City let contract 4-story, 150 x 150-ft. brick to Splady, Albee & Smith, 1022 Plymouth Bldg., Minneapolis. About $500,000.

★**Neb., Kearney**—Hotel—North American Hotel Co. let contract 6-story, 75 x 90-ft. rein.-con. and brick to A. Schall, 6th and Jones St., Omaha. About $150,000.

★**Ore., Portland**—Store—L. Phillips, 1224 South Figueroa St., let contract, 3-story, 92 x 128-ft., rein.-con., to Kibach Co., Merchants National Bank Bldg. About $107,500.

★**Que., Maisonville** — School — Roman Catholic School Comrs., 87 Catherine St., let contract, stone and brick to J. A. Durocher, 291 Chambley St., $175,000.

FEDERAL GOVERNMENT WORK

Proposed Work

Me., Ft. Fairfield — Post Office — J. A. Wetmore, superv. archt., treas. dept., Wash., rejected bids opened July 20. Noted Aug. 2.

N. H., Portsmouth—Office Building—Bureau Yards and Docks, Navy Dept., Wash., rejected bids opened June 25. Noted July 5.

N. Y., New York—Storehouses—Bureau Yards and Docks (F. R. Harris, ch.) Navy Dept., Wash., plans to build, 3.

Pa., Phila. — Extension to Quartermaster's Depot—Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., plans, at Marine Corps. About $235,000.

Wash., Puget Sound—(Bremerton P. O.) —Torpedo Station—Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., plans.

BIDS DESIRED

Conn., New London—Storehouse—Until Aug. 20, by Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash.

N. Y., Long Island City—Post Office—Until Sept. 12, by J. A. Wetmore, superv. archt., treas. dept., Wash. About $160,000 available.

N. Y., New York—Electric Lighting System—Until Aug. 13, by Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., for electric lighting system in structural shop.

Pa., McKees Rocks—Post Office—Until Sept. 4, by J. A. Wetmore, superv. archt., treas., Wash.

Pa., Phila. — Quarters for Radio Operators—Until Aug. 20, by Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash.

Wash., D. C.—Magazine Storehouses—Until Aug. 27, by Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., building 2 magazine storehouses at Hingham, Mass., 2 at Lake Denmark, N. J., 1 at Ft. Mifflin, Pa., 1 at St. Juliens Creek, Va.

S. C., Charleston—Shell House, Torpedo Storehouse, Magazine Building—Until Aug. 25, by (F. R. Harris, ch.), Navy Dept., Wash., for 3 steel frame buildings, concrete foundations, terra cotta tile walls, etc.

S. C., Port Royal—Officers' Quarters—Until Aug. 20, by Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., for officers' quarters at Marine Recruiting Sta.

Ga., Washington — Post Office — Until Sept. 5, by J. A. Wetmore, superv. archt., treas. dept., Wash.

Tenn., Memphis — Levee Work — Until Aug. 24, by Mississippi River Comn., U. S. Engr. Office, for building 3,400,000 cu.yd. earthwork, Upper and Lower St. Francis and White River Levee Dists.

Mich., Detroit—(Official)—Backfilling—Until Sept. 4, by U. S. Engr. Office, backfilling walls, 4th lock, St. Marys Canal; advertised in this issue.

Colo., Glenwood Springs — Post Office—Until Aug. 29, by J. A. Wetmore, superv. archt., treas. dept., Wash.

Cal., San Francisco—(Official)—Dredging—Until Sept. 5, by U. S. Army Engr., 405 Custom House, dredging part of point off Dos Rios Island, etc.; advertised in this issue.

T. H., Kuahua—Mine Storehouse—Until Sept. 3, by Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. H., Portsmouth**—Emergency Hospital—Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., let contract to M. Kelly, Newport, cost plus percentage.

★**Mass., Boston** — Buildings — Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., let contract miscellaneous buildings at Bumkin Island, Boston Harbor, to E. Currier, 10 High St., Boston, $37,639.

★**Mass., Watertown**—Storehouse—Watertown Arsenal let contract 2-story, brick and steel, to Stone & Webster Engr. Corp., 147 Milk St., Boston, $70,000.

Mass., Winchester — Post Office — J. A. Wetmore, superv. archt., treas. dept., Wash. received low bids (a) limestone, (b) sandstone, from J. Miles & Co., 393 Main St., Worcester, (a) $58,470 (b) $59,900; L. F. Woodbury & Son, 400 Dorchester Ave., (a) $63,403 (b) $64,203; W. H. Fissell & Co., 1328 Bway., New York City, (a) $64,989 (b) $69,989. Noted July 5.

R. I., Melville—Extending Fuel-Oil Storage Plant—Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., received low bids (a) excavation (b) concrete work (c) reinforcement (d) miscellaneous metal work (e) buildings (f) mechanical and electrical equipment (g) piping (h) tests (i) miscellaneous work from J. W. Danworth, 70 Ellicott St., Buffalo, (a) $1.40 (b) $16.00 (c) .0465 (d) 76c. (e) $9600 (f) $94,924 (g) $84,989 (h) $500; W. G. Cornell Co., 923 12th St., Wash., D. C., (a) $1.25 (b) $28.00 (c) .0625 (d) .15 (e) $10,000 (f) $100,000; Snare & Triest, Woolworth Bldg., New York City, (a) $2.00; (b) $19.00 (c) .065 (d) .40 (e) $15.00 (f) $162,000 (g) $162,500 (h) $5000. Noted July 26.

★**R. I., Newport**—Primer Filling House—Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., let contract to Hyde & Baxter, Albany, $78,890. Noted July 12.

★**Pa., Monessen**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., let contract to W. H. Fissell & Co., 1328 Bway., New York City, $57,000. Noted July 26.

Pa., Phila. — Crematory — Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., received low bids building crematory (work complete) from Metzger & Fisher, Otis Bldg., Phila., $12,926, 75 days; W. Linker, 9th and Cherry St., $13,922, 130 days; W. W. Austin & Co., 3028 North 16th St., $14,664, 180 days. Noted July 19.

Pa., Phila. — Cranes — Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., received low bids for electric traveling cranes for Smithery addition, at Navy Yard (work complete) from Morgan Eng. Co., Alliance, O., $52,125; Niles-Bement & Pond, 111 Broadway, New York City, $108,610.

Wash., D. C.—Coal Handling Plants—Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., received low bids (a) navy yard, Norfolk, (b) Philadelphia as follows: Wellman, Seaver & Morgan, 7000 Central Ave., Cleveland, $135,600, both items, 365 days; Brown Hoisting & Machine Works, 4403 St. Clair Ave., Cleveland, (a) $58,000, 150 to 180 days; Bergen Point Iron Works, Foot West 5th St., Bayonne, N. J., (a) Link belt equipment, $114,985; Jeffery equipment, $101,875, 210 days; (b) Link belt equipment, $113,689, 210 days, Jeffery equipment, $100,795, 210 days; (a) and (b) Link belt $224,674, Jeffery $198,670; 250 days. Noted July 19.

★**Va., Norfolk**—Heating System Foundry and Machine Shop—Bureau Yards and Docks, Navy Dept., Wash., let contract to H. E. Crook Co., Baltimore, $71,945.

★**S. C., Columbia**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., let contract to W. H. Maxwell, Lake Chelan, Wash., $241,440.

★**Miss., Vicksburg**—Levee Work — 3rd Mississippi River Dist. let contract 1,265,000 cu.yd. levee work on Arkansas River to Hensel Co., Ltd., New Orleans, 23.3 per cu. yd. Noted June 21.

★**Tenn., Gallatin**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., let contract to R. P. Farnsworth & Co., Owensboro, Ky., $37,500. Noted Aug. 2.

Neb., Chadron—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids from C. E. Goodhand, Wahoo, $89,283; G. A. Shaul, Seneca, Kan., $93,034; J. H. Wiese, 1301 City Natl. Bank Bldg., Omaha, $94,350. Noted July 5.

★**Tex., Vernon**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., let contract to W. D. Lovell, Minneapolis, $41,700. Noted Aug. 2.

Wash., Keyport — Tanks and Towers — Bureau Yards and Docks. (F. R. Harris, ch.), Navy Dept., Wash., received low bids for 2 steel water tanks and towers at torpedo station (work complete) from Omaha Structural Steel Co., 420 Bee Bldg., Omaha, $15,900; 135 days; Pittsburgh Des Moines Steel Co., Phila., $18,400; 160 days; Chicago Bridge & Iron Co., 37 West Van Buren St., Chicago, $18,675, 1st tank 120 days, 2nd tank 250 days. Noted July 12.

Cal., Mare Island — (Vallejo P. O.) — Cranes—Bureau Yards and Docks, (F. R. Harris, ch.), Navy Dept., Wash., received low bids furnishing (a) 1 40-ton and 1 15-ton crane (b) net price, 1 40-ton crane complete; from Morgan Engr. Co., Alliance, O., (a) $38,950, (b) $25,175, 240 to 270 days; Niles-Bement & Pond, 111 Bway., New York City, (a) $47,000 (b) $28,300, 390 days. Noted July 12.

★**Cal., Palo Alto** — Cantonment — N. D. Baker, secy. war, let contract to Lindgren Co., San Francisco, cost plus percentage.

MISCELLANEOUS

Proposed Work

★**Park Improvements—Brooklyn, N. Y.**—Park Bd. let contract improving Prospect Park Plaza at main entrance, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $52,533.

Pier—Phila., Pa.—City purchased site on Delaware River at Delaware Ave. and plans to build pier.

Harbor Improvements — Mobile, Ala.—City election Aug. 13 to vote on $600,000 bonds for harbor improvements at Arlington site. W. Smith, city engr.

Bay St. Louis, Miss.—Sea Wall—City voted $200,000 bonds to build sea wall.

River Terminals—Memphis, Tenn.—City election Aug. 16th to vote on $5,000,000 bonds to build river terminals. J. H. Weathersford, city engr.

Disposal Plant—Salem, O.—City preparing plans to rebuild disposal plant. About $200,000. W. Skelton, city engr.

Dock—Detroit, Mich.—City plans, at foot of 24th St. R. H. McCormick, city engr.

Breakwater—Kenosha, Ill.—Council appropriated $45,000 to reclaim land to north and south of city and to build new breakwater.

Elimination of Grade Crossings—Moline, Ill.—Chicago, Rock Island & Pacific R.R., Chicago, Burlington & Quincy R.R. and City plan to eliminate grade crossings on various streets. C. A. Morse, Chicago, ch. engr. former, A. W. Newton, Chicago, ch. engr. latter. L. Payton, city engr.

Park Improvements — Peoria, Ill. — Pk. Bd. appropriated $35,000 to improve Glen Oak Park, $22,000 Bradley Park, $8000 South Park, $15,000 Grand View Dr., $13,000 Madison Park. L. D. Jeffries, city engr.

Snow Sheds—Rock River, Wyo.—Union Pacific R.R. let contract concrete lumber snowsheds near Rock River and other Wyoming points to Houghton Constr. Co., San Francisco, $1,000,000.

Canal Work—Twin Falls, Idaho—(Official)—Until Aug. 14, by Secy. Twin Falls Canal Co., for concrete structures and enlarging 4 mi. Lower Line Canal.

Pavilion and Pier—Huntington Beach, Cal.—City preparing plans for pavilion and rein.-con. pier. Bonds for $80,000 bonds voted for work.

Canal—San Francisco, Cal.—L. F. Swift, Union Stock Yards, Chicago, plans, 16 ft. deep, also inland turning basin to improve 4000-acre industrial, manufacturing and warehouse site. About $1,000,000.

Dock and Wharf—Amherstburg, Ont.—Brunner Mond Co. preparing plans, rein.-con. About $50 000. G. MacGregor, mgr.

BIDS DESIRED

Timber Bulkhead—Albany, N. Y.—(Official)—Until Aug. 13, by L. W. Stotesbury, adjutant gen., building timber bulkhead; advertised in this issue.

Dam—Buffalo, N. Y.—Until Aug. 16 by Dept. Parks and Pub. Bldg., building rein.-con. dam over Cazenovia Creek, Cazenovia Park. Address J. F. Malone.

Retaining Walls — Tekamah, Neb. — See "Bridges."

Retaining Wall—Santa Barbara, Cal.—See "Streets and Roads."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Docks and Warehouse—Orange, Tex.**—City let contract to Austin Bros., 1815 Coomb St., Dallas, $24,000.

★**Gas Main—Loco, Okla.**—Lone Star Gas Co., 1st Natl. Bank Bldg., Ft. Worth, let contract to lay 16-in. natural-gas main from Loco, Okla., to Gainesville, Tex., to J. E. Pherson. Noted May 24.

Transmission Line—Sherbrooke, Que.—(Official) — City soon lets contract for transmission line from Sherbrooke to power plant, at Two Mile Falls. Noted July 19.

SEARCHLIGHT SECTION

Contracts To Be Let

PROPOSALS

Bids received until August 21, 1917.

Frankford Elevated Railway

DEPARTMENT OF CITY TRANSIT
754 BOURSE BUILDING
Philadelphia, August 7, 1917.

Sealed proposals, properly indorsed and addressed to the undersigned at the office above mentioned, will be received until 12 o'clock noon, on Tuesday, August 21, 1917, and opened immediately thereafter, for the following work appurtenant to the Frankford Elevated Railway, authorized by Ordinances of Councils approved July 2, 1915, July 20, 1916 and March 6, 1917:

CONTRACT NO. 524—Steel frame work and railings, concrete floors and parapets side enclosures, roofs, drain gutters and spouts for ten (10) station platforms and connecting passages or foot bridges between station platforms and station buildings at Allegheny Avenue, Tioga Street, Torresdale Avenue, Ruan-Church Streets and Orthodox-Margaret Streets.

Plans and specifications can be seen at Room 748, Bourse Building, and copies of same with blank forms for proposals will be supplied to intending bidders upon deposit of $10 (cash or certified check), which will be refunded upon return of plans.

Bidders must be skilled and regularly engaged in this class of work.

No bid will be considered unless accompanied by a certificate from the City Solicitor that a proposal bond in the sum of five hundred dollars ($500) has been filed in accordance with the provisions of an ordinance approved May 25, 1860.

The Director reserves the right to reject any or all bids as he may deem best for the interest of the City of Philadelphia.

WM. S. TWINING,
Director.

Bids received until August 20, 1917.

Filter Bed and Appurtenances

New Canaan, Conn.

Sealed proposals will be received by the Board of Warden and Burgesses of the Borough of New Canaan, at the office of the Borough Clerk, on or before Monday, August 20, 1917, at 8 P. M., for the construction of an emergency filter bed and appurtenances, renewal of Beds Nos. 1, 2 and 3, and such other additions and alterations designated on the plan for the Borough of New Canaan, Conn., at their sewage disposal plant. Plans and specifications may be secured at the office of the Clerk, John E. Hersam, 9 Railroad Avenue, New Canaan, Conn., or the office of the Engineer, W. H. Arthur, 1 Bank Street, Stamford, Conn. The Board of Warden and Burgesses reserves the right to reject any or all bids.

Per Order of the Board of Warden and Burgesses. JOHN E. HERSAM, Clerk.

Dated at New Canaan, Conn., August 8, 1917.

Bids received until Aug. 20, 1917.

Surface Treatment

Swarthmore, Pa.

Bids will be received until August 20, 1917, at the Borough Hall for 10,000 yd. surface treatment for macadam roads.

PROPOSALS

Bids received until August 20, 1917.

Outfall Sewer, etc.

Scotia, N. Y.

Notice is hereby given that sealed proposals will be received by the Board of Trustees of the Village of Scotia, N. Y., at the office of the village clerk in said village, until 8:00 o'clock P.M. on the 20th day of August, 1917, for the construction of a screening chamber and outfall sewer, in accordance with plans and specifications on file in the office of the Village Clerk.

All bids must be made upon printed forms to be obtained of the Village Clerk at the Village Hall, Scotia, N. Y.

All bids must be written in words and figures, and accompanied by a certified check, payable to the order of the Treasurer of the Village of Scotia, for ten (10%) per cent. of the amount of the bid.

All bids must be enclosed in a sealed envelope, directed to the Board of Trustees of the Village of Scotia, N. Y., and endorsed upon the outside of the envelope "Proposal for Screening Chamber and Outfall Sewer."

The Board of Trustees reserves the right to reject any or all bids or proposals.

By order of the Board of Trustees of the Village of Scotia, N. Y.

E. CROSBY HOYT,
Village Clerk.

Dated Village of Scotia, N. Y., this 7th day of August, 1917.

Note: Outfall sewer composed of approximately 2400 feet of 18" vitrified pipe.

W. W. CHADSEY, Engineer.

Bids received until August 20, 1917.

Notice to Paving Contractors

Elmira, N. Y.

Sealed proposals for grading, curbing and paving the below named street will be received by the undersigned at his office in the City Hall until 11 a.m. August 20, 1917: East and West Gray Streets, from west line Baldwin Street to east line Main Street, about 2400 square yards.

Plans and specifications are on file in the City Engineer's office, City Hall, where also may be obtained the "proposal blanks," which must be used.

A certified check for $1250 payable to the order of the Mayor of Elmira, N. Y., is required and must accompany the bids. It will be returned to the bidder upon execution of the contract.

The Board of Public Works reserves the right to reject any or all bids.

LOUIS C. ANDREWS, City Clerk.

Plans received until August 15, 1917.

Building Plans

Voluntary competitive plans for a Knights of Columbus Building will be received on or before 10:00 A.M. Wednesday, August 15th, 1917. The right is reserved to reject all drawings submitted. All information may be obtained from Thomas F. Feeley, 904 East 20th St., Chester, Pennsylvania.

PROPOSALS

Bids received until August 29, 1917.

Centrifugal Pumps, etc.

Jackson, Mich.

Sealed Proposals will be received at the office of the City Manager, Jackson, Mich., until 12 o'clock noon of Wednesday, Aug. 29th, 1917, for the construction, delivery and erection of one (1) steam driven vertical, centrifugal pump, one (1) or more electrically driven deep well pumps, and two (2) electrically driven horizontal centrifugal pumps for the City Water Works.

Each proposal must contain the full name of the party or parties making same and must be accompanied by a certified check for ten per cent. (10%) of the greatest amount bid as a guarantee that if the proposal is accepted the contract will be entered into. Said check shall be forfeited to the City if the bidder fails to execute the contract within ten (10) days after notice of award.

Plans, specifications and blank forms of proposals and contract may be obtained at the office of the Superintendent of Water Works of the City of Jackson, Michigan, or at the office of Seabury G. Pollard, Consulting Engineer, 3422 Burch Avenue, Cincinnati, Ohio, by making a deposit of Ten Dollars ($10), which will be refunded upon their return in good condition.

The right is reserved to reject any and all bids.

A. W. D. HALL,
City Manager.

OSCAR E. BULKELEY,
Superintendent Water-Works.
Dated August 3rd, 1917.

Engine and Pump

The City of Frederick, Oklahoma, will install one steam engine, 250-hp., 125 lb. steam pressure, not to exceed 200 r.p.m. noncondensing, steam consumption not more than 25 lb. per i.hp. when running at half load. Engine to pull 150-kw. generator, 2200-volt, 3-phase, 48 amperes, 50 per cent. P. F.

One centrifugal pump, 2-stage, direct connected to motor, maximum capacity 20,000 gallons per hour against a 16' lift and 65-pound head. One pump of same capacity, either steam plunger or turbine type, to be used as emergency. Address communications City Clerk, Frederick, Oklahoma.

HENRY A. PRESSEY,
City Hall, Oklahoma City, Oklahoma.

Bids received until August 17, 1917.

Concrete Bridge

Hampton, N. Y.

Bids will be received by the undersigned until two o'clock P.M., August 17th, at the Town Hall in Hampton, N. Y., for the construction of a steel reinforced-concrete arch bridge across the Poultney River at Leonard's. Plans and specifications can be obtained at the Allen Bank in Fair Haven, Vt., or at the town clerk's office, Hampton, N. Y. The right to reject any or all bids is reserved.

B. S. DOUGLASS,
Supt. Highways, Hampton, N. Y.
SELECTMEN, Fair Haven, Vt.